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INAUGURAL ADDRESS

DELIVERED BY

Mayor Zebedee E. Cliff

MONDAY, JANUARY 4, 1915

Gentlemen of the Board of Aldermen:—

On this opening day of the new municipal year I desire to extend most hearty greetings to the members of your honorable board. Let me express the hope that our efforts may be harmonious, well-directed and productive of results which shall increasingly advance the moral and material interest of the community we have been elected to serve.

We should be ungrateful indeed not to appreciate the splendid indorsement expressed in the recent election.

A majority of your present board were members of the board of 1914, and to you and those who served with you I want to express my great appreciation of your service and the excellent results of your efforts. The spirit of coöperation between the legislative and executive branches has been marked throughout the year, and I feel that it has been as much a pleasure to you as it has been to me to meet each other more than half way in the consideration of the many questions that have come before us.

While there have been—as there always are and should be—differences of opinion, I feel certain that all have sought from their point of view to bring to the common good the best there was in them, and from the differences and discussions have come the agreements and actions which have made possible the year's advances and results.

Finance.

A statement of the financial condition of the city on January 1, 1915, has been prepared by the city treasurer and is incorporated in this address.

Without going into detail, I want to say just this,—We have put the city on an actual pay-as-you-go basis; we have paid every bill for the year 1914; have left in the treasury an unexpended balance of over \$15,000; and the funded debt has been reduced \$58,000.

Auditing Department.

The recent action of the board of aldermen in authorizing the setting-up of an auditing system along the lines of the system recommended by the bureau of statistics of the commonwealth gives us the opportunity of bringing this department to the highest standard of efficiency.

No reflection is or has been made at any time upon the work of our present auditor; on the contrary I feel that with the system in use for so many years we have been absolutely safeguarded in so far as concerns the personal honesty and integrity of any of our officials and that the work of the department has been done as well as possible under the conditions.

I have felt for a long time that much work was being done in the treasurer's and other departments that is properly the work of an auditor, and that some system should be installed to enable officers of the city or any interested persons to ascertain without delay and at any time the conditions of appropriations, the cost of work, and the many other details of finance so necessary for their information.

I anticipate that the extra expense of maintenance of this department will be more than offset by the saving, direct and indirect, which will be made possible by its increased efficiency.

Departments.

With the establishment of the new auditing system it is expected that considerable economy will be effected in the methods of keeping accounts and regulating expenditures in various departments, and it will undoubtedly be found necessary to make certain changes. The street department should keep its own records and accounts, and it will probably be found advisable to take from the clerk of committees department the bookkeeping work now done for many of the other departments.

The special committee on financial investigation submitted, at the last meeting of the board of aldermen, an extensive report covering many of the various branches of our public service and suggesting a number of changes from our present system and methods. Copies are to be furnished each member of your board and I earnestly hope that the recommendations will receive the careful consideration which this report, the result of the year's earnest work of the committee, deserves. I do not desire at this time to make any particular recommendations concerning those made by the committee, owing to the short time I have been able to give to its consideration. I may desire to send a special communication to your board at a later date, giving my views on the various matters considered in the report.

Public Works.

Section 40 of our charter provides for a board of public works, consisting of the mayor, who shall be its chairman, the city engineer, the street commissioner, the commissioner of public buildings, the commissioner of electric lines and lights, and the water commissioner.

This board has a distinct and important place in our charter plan of city government. The board of aldermen prescribes what shall be done and provides means for doing it. The members of the board of public works plan and execute that which is ordered.

We have held frequent meetings of this board throughout the year and the city clerk and city treasurer have, by invitation of the mayor, attended these meetings and acted with the board. Because of their intimate knowledge of the city's affairs, they have been of great assistance in our deliberations.

This board has of itself no power to control the actions of its members, but there have been full and free discussions at the meetings of all contemplated work in the departments. The spirit of harmony that has grown from these discussions and the mutual understanding by each member of the work of the others has greatly helped in making possible the immense amount of public work accomplished during the year. It has resulted in hearty coöperation of the different departments and has greatly increased their efficiency.

The regular maintenance work of our public works has been carefully supervised during the year, and the departments have been kept on full time.

A new system in street cleaning is under consideration and will probably be put in operation the present year. Co-operation of the citizens by avoiding the careless dropping of papers and rubbish will greatly facilitate the work of this department.

The amount of street construction work accomplished during the year is the greatest at any time in the city's history for a like period, and the character of the work in general is ahead of ordinary street construction. The total amount expended for street and sidewalk construction was \$171,685.

Ward street, Harding street and a portion of Columbia street have been paved with granite blocks; Cutter square and Springfield street with vitrified brick; and three sections of Broadway, one side of Elm street and portions of Prospect street and Willow avenue with bituminous macadam,—all of these pavements having been constructed on a concrete base. In addition to the foregoing, thirty-three other streets, including eighteen new streets previously accepted by the board of aldermen, have been constructed of macadam. The total of this new construction work is about six and one-half miles.

The new sidewalk construction has been a large item,—totalling about eleven and one-half miles. This includes edge-stones, granolithic and brick. The proportion of brick sidewalks was very small in comparison with the granolithic, the superiority of the latter having been fully demonstrated.

Before commencing any of the operations, all public service corporations were given notice of the streets upon which work was to be done and requested to complete any work therein that might be contemplated by them at any future time. They have all responded to our request and have extended their services wherever possible upon these streets.

The water department has extended its mains and services in all new streets and has done an unparalleled amount of work in relaying and replacing old mains and service pipes in all the streets where construction was contemplated. Some of this work has been much needed and all of it is of benefit to

the city and would have to be done at a later day if not at this time.

Similar work has been done in the sewer department, and the sewers and house drains have been extended and put in thoroughly good condition.

No street was entered upon by the street department until we were fully assured that there could be no probable reason for opening any of them by the water or sewer departments or by the corporations for repairs or for furnishing services to new buildings.

All of this construction work has been done in a thorough manner and with proper maintenance should last a long term of years.

This unusually large amount of work was more than our street department was equipped to handle in one year and part of the work has been done by contract and part by the city's day labor. The contract work has been under the direct supervision of the city engineer, while the street commissioner had supervision of all construction work done by his department. This has enabled the work to be carried on at the same time efficiently and economically, and more employment has been given the laborers than ever before.

The pay of city laborers was increased, beginning July 1st, to \$2.25 per day, and I have reason to believe that they feel they are fairly treated. It has always been my practice, both in private and public business, to recognize all just demands of labor, and in the extraordinary amount of work carried on the past year it has been my endeavor to treat labor fairly and justly.

In all contracts for street construction the law requires a provision limiting the hours of labor to eight hours, the same as the city laborers. I have gone much farther, however, in my attempt to prevent any injustice on account of contract work. In all contracts appear the following provisions which have been fully lived up to by the contractors: "In the employment of unskilled laborers, preference shall be given to residents of this city and they shall be paid at least as high a rate of wages as laborers on the same kind of work employed by the city."

It has been found by a comparison of the cost of work done by contract and by day labor that a considerable amount has been saved by the contract work, and because of this saving the city has been enabled to use its own force for a longer period than is usual on construction work.

Middlesex Avenue.

As the result of many conferences held by me with the Massachusetts Highway Commission, Middlesex avenue from Mystic avenue to the Metropolitan Park District boulevard near the Wellington bridge, a distance of about half a mile, is now being constructed by the commission with a permanent pavement to a uniform width of twenty-four feet.

Under authority given by the board of aldermen of last year our city has made an agreement to pay about twenty-five per cent. of the expense of construction, and the cost to the city for future maintenance will be small in accordance with the general law in regard to state highways.

The saving to the city in cost of construction and future maintenance is fully justified by the nature of the travel over this public way which comes mostly from other cities and towns.

Alewife Brook Parkway

A few years ago the Metropolitan Park Commission took land along Alewife brook and has completed a large part of the improvement in the brook itself but has not constructed the parkway in this city which was surveyed and planned at that time.

Strong efforts should be made to secure the construction of this parkway without further delay.

This would complete an important part of the link between our Powder House boulevard and the Fresh Pond reservation and establish the future grade of Broadway at the approach to the bridge over the brook where the proposed boulevard would cross, and thus enable the city to complete the permanent pavement of that part of Broadway.

This construction work should also furnish employment for a large number of our citizens.

Refuse Disposal.

After conferring with the special committee on investigation of financial cost of city departments of last year, and after a personal investigation of the matter, I was convinced that the method of the collection of ashes and offal under the direction of the street department is not as satisfactory to the citizens as the former method under the direction of the health department. Accordingly, I recommended to last year's board an amendment of the ordinances to provide that the collection, carrying away, sale and disposal of house offal and ashes be placed back under the direction of the board of health, but no action was taken on the recommendation. I am of the same opinion now as then that this change would work for better service. Particularly do I feel that the handling of house offal is a health measure and can be done by the health department with fewer causes for complaint. I would respectfully suggest that your honorable board look into the matter early in the year so that if such change is to be made it may be started before the warm weather.

Workmen's Compensation Acts.

The application of the Workmen's Compensation Acts to cities and towns was an entirely new departure and went into effect the first of the year. The subject is one that required most careful consideration, as the city employs a large number of laborers, workmen and mechanics, for all of whom the city is liable in case of injury. The board of public works had before it three different experts who fully explained the workings of the law and its effect upon cities. Their estimates of the cost to Somerville for insurance were about \$10,000 a year. After carefully listening to all these gentlemen could tell us and after comparing records of injuries to employees in past years, with estimates of the cost of such injuries under the new law, I did not deem it advisable to insure, and I cannot but feel this action was justified. We appropriated for the purpose of covering our possible liabilities the sum of \$5,000 and of this amount less than \$1,000 has been spent, the unused balance being applied at the end of the year for other department expenses,

Of course accidents during the year were few and we were fortunate in their absence. It seems to me, from our experience of the past year, the city would better continue to assume its own insurance.

Electrical Department.

The work of this department has increased rapidly in the last few years. All modern buildings are equipped with electricity and careful inspection is demanded for the safety of the city. This work takes a great amount of the commissioner's time, about 2,500 inspections having been made the past year.

The police and fire alarm signal systems are under the care of this department and much attention is necessary to keep them working properly.

The police signal system is giving excellent service, over 800 calls a day being transmitted to the police station from patrol boxes on the streets.

The present fire alarm system, some of which has been in operation for over forty years, is not adequate for the city. A good system of this sort is a necessity, for, if out of commission, the city is in great danger and our fire apparatus of little use. The present headquarters are in the central fire station and more or less exposed to fire danger. Ultimately a new fire-proof building for this use alone, equipped with modern appliances, should be provided.

I am not sure that the finances of the present year will warrant this expenditure, but it is a matter that should be carefully considered.

Buildings Department.

The construction of new buildings in our city during the year 1914 has included, in addition to a large number of new dwellings, several mercantile and business structures which we are glad to welcome.

Among the more prominent of this class of buildings, and those representing a considerable intrinsic value are: the Hobbs building in Davis square, the Knights of Columbus building on Highland avenue, two large mercantile buildings on the Squire's estate near the Boynton yard, a large addition to the Boston

Burial Case Company's factory, several public garages, and a business block in Teele square.

In addition to these a large apartment building has been constructed on Broadway, Winter Hill, which is a credit to the city.

The total valuation of new construction during the year indicates a steady growth.

A recent act of the legislature has greatly increased the responsibility and duties of the buildings department by placing the inspection of elevators and licensing of elevator operators under its jurisdiction. It is proposed to handle this added work by the employment of an inspector for at least three months of the year.

The public buildings of the city have an estimated value of \$2,400,000.00, and require constant care to provide comfortable occupancy by the various departmental activities of the city.

I regret that we cannot find sufficient funds at once to renovate entirely and immediately all of the older structures, but I feel that by judicious and careful attention to the needs, a great deal can be accomplished with the funds available during the ensuing year.

A large proportion of the valuation of our public buildings is represented by the buildings occupied for school purposes, and the constant use of these buildings for many years, and during the last few years by the added uses for vocational and social activities, has increased materially the cost of their maintenance. Not the least important in this regard is the matter of furnishing light and power, and I hope that by modern appliances and a careful study of the whole question, we may be able to make changes which will materially decrease the cost of this item.

The old building at the corner of Highland avenue and Walnut street, originally a fire station and later used as a city hall annex, has been removed and its former site, together with the grounds around the new library building, has been regraded. The old library building was remodeled early in the year to furnish quarters for the various city departments and the patriotic organizations formerly using the annex. The present location of these departments in closer proximity to

the executive center, the city hall, tends to more efficient municipal administration.

The most gratifying feature of the changes made in this building was the opportunity afforded for providing better and more suitable quarters for the Grand Army and its allied bodies. We have been enabled to give them a commodious assembly hall and a large social room with smaller rooms adjoining, for all their various activities. They are pleasantly located today and it is a pleasure to have been able to contribute so much to the comfort and enjoyment of these men whose ranks are so rapidly thinning and for whom we cannot do too much.

Schools.

The item of "Education" in our annual budget of appropriations is a very heavy one. So many new features are being introduced and the school population increase is so great that the cost necessarily mounts from year to year. The most careful economy in school management should be constantly practiced. In the use of the word economy, I mean attention to the details of management, careful expenditures and elimination of waste or extravagance. No man has more interest in our public schools than I, and no man more firmly believes in the education and training of youth along the best lines.

We are not penurious in this city and I pray we never may be, in doing our part toward providing suitable training for the young manhood so soon to take our places in this busy world. Our appropriation for the item "Education" in 1914 was \$455,750.00; twenty-seven per cent. of our maintenance appropriations.

It will be necessary to provide increased accommodations the present year and I recommend the construction of at least one new building.

The school committee has gone on record as favoring the use of the alternating plan in certain buildings. Their desire, as I understand, is to remodel certain of the present buildings in order that they may try the experiment of the new plan. For both the Gary and Sewickley plans, which the superintendent has so fully explained to the committee, the work of remodeling the building would be extensive and expensive, and under the present laws of the commonwealth the burden of cost would have to be borne in the tax levy of the year. It is

roughly estimated that the cost of such changes in only one of the schools suggested by the committee would add forty cents to our tax rate. I do not believe it is desirable to try this experiment in a city like ours by remodeling old buildings, for I do not think our taxpayers would approve of a greatly increased tax rate for the purpose of experimenting with an uncertain system.

It would seem much wiser to construct a new building in which the plan could be given a test under the most favorable conditions. The money for such a building could be secured on funded debt.

If this were built adjacent to one of our present schools, connected, if desired, by corridors, the new plan could be given a careful trial and if in the end it should prove a failure, the city would still have a modernly constructed and equipped building for its school system.

The schools suffered a distinct loss by the tragic death of Henry H. Folsom. A man of rare attainments, broad-minded and earnest, he filled the office of chairman of the school committee with unusual ability.

Summer Playgrounds.

The playground work is something that can but commend itself to every one of us. We have over 13,000 children between the ages of five and fifteen years, and over 4,000 availed themselves of the privileges of the summer playgrounds last year, a fact in itself evidence of their success.

Many years ago the city provided parks and playgrounds and has added to and improved them ever since. Last year at Lincoln park ice-water drinking fountains and seats to accommodate 600 persons were added, and seats were provided at the city field on Broadway. A force of men is constantly employed in the care and maintenance of all our many public grounds and a liberal annual appropriation is made for their maintenance.

The Somerville Playgrounds Association, to which our citizens have given of their time and money, is constantly helping along this work, and I regret that more cannot be done upon the part of the city.

Public Library.

The cost of maintenance of the new building has been very little in excess of that of the old building, and its superiority in affording better service to its many patrons has been fully demonstrated. The work of the branches has been most successful as is shown by the large number of persons who make use of their service.

A movement has been started to erect a memorial to the late Sam Walter Foss, to be placed in the library building. This seems most appropriate for the man whose memory it is proposed to so honor, and who, by his homely verse and his kindly ways, has left in the hearts of so many a memorial of his own.

Health Department

The work of this department has been unusually large. Improved methods have been introduced and the public health is better safeguarded than ever before. It is a gratifying fact that, in spite of an increased population, the number of deaths for 1914 was less than for 1913 and that the infant mortality has also decreased.

The contagious hospital and the tuberculosis camp have been taxed at times to their utmost capacity and have cared for nearly double the number of cases as compared with the previous year.

Poor Department

The horrible conflict now being waged in Europe, the ruthless waste of human life, the devastation of homes, and the suffering of mothers and children bereft of husbands and fathers, and left without even the necessities of life, fill our souls with sorrow and our hearts with pity. Theirs is a deserving charity.

But let us not in our consideration for those in other lands forget or overlook the need of help for those at our own doors. We have in this country to-day a loud and deserving appeal for assistance. Whether it is due to the effect of the war abroad, to the effect of tariff laws, or something other than these, we need not consider at this time, but it is a fact that must be recognized that the great class of work-

ing people in our country are having a hard time to-day to make both ends meet. Mercantile establishments have been running on short time, and the lack of employment and the high cost of living are making the struggle a hard one for many of our citizens. The overseers of the poor, the associated charities and other charitable organizations are doing their utmost to furnish help to those who need it. Our city has spent nearly \$13,000 more in 1914 for outdoor relief than was expended for this purpose in 1913.

This increase is largely due to the new law which requires widows with dependant children to be adequately aided. This law is working in a most satisfactory manner, and is a most excellent one. It does not, and no law should, class the mother and child as paupers. Their treatment to-day is humane and far removed from that of the past.

We have had during the year ninety-three inmates at the city home, and there are to-day forty-nine persons in the home and hospital ward.

I want to suggest that the overseers of the poor consider the advisability of providing bags to be kept in the homes of our people in which may be thrown cast-off garments of all kinds. This is something that is done most successfully by the Morgan Memorial in Boston. These bags could be collected by the city and the contents sorted and distributed by the poor department. Many of the articles would need repairing, and it might be found feasible to have much of this work done by inmates at the city home. It seems to me that this suggestion is worth serious consideration.

Something should be done to provide work for the unemployed. I have had numerous applications for help from our citizens,—not for charity, but for work. Any mayor would be glad to find employment for all, but he has not the time to seek positions and has no knowledge of those who are in need of labor.

The establishment of a municipal employment agency, conducted under the supervision of some one of our present executive officers might furnish a partial solution of this problem. Such an agency should be absolutely free, both to the employer and to the prospective employee, and I feel sure

that the business people of the city would be glad to give their hearty coöperation to such an agency.

If this suggestion meets with your approval, it is probable there will be no difficulty in securing such legislative authority as may be necessary.

Somerville Hospital

Again with pleasure I renew the annual recommendation that the sum of \$5,000 be appropriated for the work of this institution. As I said last year, I regret that the city is not financially able to do much more for this hospital which is such a credit to the city.

Fire Department.

Good fortune, good management and good service have combined to give Somerville a good fire department record for the past year.

Of the economic problems of the day, one of the most important is the reduction of fire waste. Everything possible is done to effect the speedy extinguishment of fires, but greater effort must be put forth to prevent fires. This is being well recognized, and clean-up days and fire prevention methods are to-day widely advocated.

That our citizens are alive to this movement and are giving it their careful thought and help, is evidenced by the fact that the fire department has been summoned seventy-six times less this year than last to extinguish fires.

On the first day of the year three new pieces of motor-driven apparatus were put into service, replacing worn-out, horse-drawn machines. The greater efficiency of this new type of fire apparatus is unquestioned. The advantage of attacking fires at the earliest possible moment is too evident to be discussed. Gasoline and oil are cheaper than hay and grain, and the standing motor does not have to be continually fed,—another argument for the motor.

That fire prevention is an economy is evidenced by the fact that a saving of about \$3,000 has been made in this department from the amount appropriated at the beginning of the year.

The permanent force is sufficient, but I feel the city would be more safely guarded if we had more call firemen.

In view of the experience of Chelsea, Salem and other cities with conflagrations, it behooves us to keep our water system in the best possible condition for fire fighting purposes.

I would recommend the early extension of our high-service to the so-called packing house district and later to such other sections of the city as finances may permit.

The general court last year passed a law establishing a new commissioner. His title as stated in the act, fire prevention commissioner for the metropolitan district, gives a good indication of the intent of the law as to his duties. I do not wish the impression to go forth that I am in any way opposed to this law, for I am not. On the contrary, I consider it excellent, and one that should be a powerful aid in fire prevention. There are certain features of it, however, with which I am not wholly satisfied. The commissioner has the power to delegate his authority to the chief of the fire department, and this he has done generally in cities and towns under his authority. The law makes a refusal or neglect to obey any lawful rule, order or regulation of the commissioner a misdemeanor with the liability of a heavy penalty.

The duties which the commissioner has delegated to the chief are enormous and I feel that this may indirectly work a hardship to the city by taking time of the head of the fire department that is needed for the work of his department.

The act also vests in the commissioner powers formerly vested in boards of aldermen to license the keeping, storage or use of certain explosives and inflammables, including gasoline which is to-day so commonly used. Although it is the very evident intent of the act to take this power away from boards of aldermen, the commissioner, acting under the power given him to delegate his authority, has made the mayor and aldermen his agents in these matters, with a further restriction that their action in all such cases is subject to approval of his local agent, the chief of the fire department. With no intention of reflection upon the commissioner or the chief, it is my contention that the action of the mayor and aldermen should not at any time be subject to the approval or

disapproval of any officer who is appointed by and answerable to, them.

As I said before, I consider this law is fundamentally an excellent one, but I think it might be improved in several instances.

Police

Considerable has been done the present year toward strengthening this department. A captain, two sergeants and one patrolman, who had rendered faithful service for many years but had passed the age for usefulness in active service, have been retired and placed upon the pension roll. Two sergeants have been raised to the rank of lieutenant and the inspectors have been ranked as lieutenants. There are at present four vacancies in the position of sergeant. It was my intention to fill the vacancies the past year but, as is known to many of your board, there has been considerable controversy concerning the three different lists, varying materially from one another, certified to me for such appointments. I have had a number of conferences with the civil service commissioners and have made an earnest effort to clear the matter up, but without results satisfactory to myself. I hope, however, that the disturbance in the department created by this situation will soon pass away, and that I shall be able to send these appointments to your board at an early date. When the reorganization is completed, the force will be well officered and, we have reason to expect, of a higher standard of efficiency.

Intoxicating Liquors

I want my position in the matter of granting licenses to druggists distinctly understood. As I have many times stated both in public and private utterance, I do not believe such licenses are needed in this city and I do believe a majority of our citizens are opposed to the granting of them. I realize that many differ from me in this belief and I should be very glad to have the matter left to the voters for decision. Although as a general proposition I am opposed to the referendum, this is one of the few exceptions to its employment that would receive my endorsement. In accordance with the request of last year's board of aldermen, I have prepared

petitions for presentation to the general court to provide for the submission of the question the present year.

I have also prepared petitions to amend the law relative to the granting of such licenses, so that it may be permissive rather than mandatory.

I realize that on the interpretation of this law all do not agree, but if the word "shall" were changed to "may" there could be absolutely no doubt as to the legal right of the board to refuse such licenses.

Somerville has been particularly free from the evil of intemperance. As I said in my first inaugural, the attitude of our city in this matter is one in which we take great pride. I consider Somerville as clean as any city in the commonwealth.

In this connection I desire to express in the strongest terms my condemnation of any attempt to slander the fair name of our city.

One of the candidates in the recent election was reported in the press as saying that "Somerville was spotted with kitchen bar-rooms." This statement, if correctly reported,—and it has not been denied, is a malicious falsehood. Following the election, I wrote this man as follows: "You are reported as having charged in numerous places during your campaign for mayor that violations of the liquor laws have frequently taken place in this city and are now going on, and that you have made other charges against members of the police department and city government. You are hereby requested to furnish me evidence on which your charges were based, in order that the guilty persons, if any, may be prosecuted."

In reply to this letter no evidence whatever has been received.

Business Organization

The recent actions taken by our business organizations in getting together for "boosting" Somerville is worthy of commendation. The West Somerville Board of Trade, although declining to give up its identity and merge with the Somerville Board has changed its name to avoid any possible complication, and many of its members are identified with both organizations. There should be no differences in a city

like ours, for the business interests of all sections are identical and increased business and mercantile development in any section of the city cannot help to benefit conditions as a whole.

The Somerville Board of Trade stands at the threshold of a new period of greater power and activity. It has met conditions bravely and squarely and will soon be in position to carry out its work along strong, up-to-date lines. I cannot speak too strongly my approval of the action of President Brown and his fellow members for their efforts to make the board a real live one. Their action at the last meeting is but a start in the right direction, but it is a good start and the board is thoroughly awake and eager to do things for our city. Business can be brought here and the work of this board is cut out to get it here and to stimulate its growth. New enterprises are constantly seeking locations. During the past year I have received twelve such applications. Two large mercantile buildings are now being erected in our city and a large area of land has been purchased for industrial purposes and will soon be developed.

The city's interests are closely identified with those of the Somerville Board of Trade, and any help the mayor can give the board in its increased activities will be rendered with the utmost willingness.

Retiring Officials.

We are losing the services at this time of two officers whose labors surely deserve commendation.

City Auditor Bruce has left his impress of efficiency upon the work of his office. He is retiring at this time entirely at his own suggestion, and it is a pleasure for me to publicly express to you, as I have to him, my appreciation of his service and his hearty coöperation with the executive at all times and in all matters.

Clerk of Committees Mitchell has served the city since 1882, faithfully and unselfishly. In forwarding his resignation a few days ago to the board of aldermen, I did so with extreme regret. No man in our public service has so long and intimate an acquaintance with the changing governments, and it must be with pride and satisfaction that he can look back over that acquaintance through those many years, with a knowledge of

the enduring love and respect of all his many associates. Ask of any man who has ever served as mayor, alderman or common councilman of Somerville his opinion of "Billy" Mitchell, and his answer will be one of praise in no uncertain terms.

It is a pleasure to me to commend the service of these retiring officers.

The members of this city government who were members last year must realize that the results accomplished are due to a great extent to the harmony between the legislative and executive departments and to the splendid spirit of co-operation throughout the year.

To the newly elected aldermen who are now entering upon their duties, I wish to say that it will be my constant endeavor, as I hope it will be yours, to continue this spirit during the present term.

The dictionary defines "Co-operate", as "to labor jointly with another to the same end." Our one and only end should be to the advancement of Somerville and by laboring jointly we can attain that end. Upon us and upon our administration of the trusts imposed upon us depends in no slight measure the prosperity of our city.

We are elected to do the work of all, and not that of any party, political or otherwise. We are elected to give a broad, business-like administration of affairs, devoid of politics or petty sectional demands, and we should see to it that to the best of our ability we give to Somerville all its people have a right to expect in this direction.

The management of this civic business corporation is difficult. It involves most serious obligations on the part of those who are delegated to assume it. It means that we are responsible, in a large sense, for the welfare of some eighty-three thousand people. We have their interests to guard throughout the year.

Let us so govern ourselves in our official actions that we may best govern our city. Our troubles will be many, our obstacles at times hard to overcome, but let us meet them fairly and honestly, and with a supreme trust in God bravely trust the future.

Finance.

The total funded debt of the city January 1, 1914, was

\$1,674,000. This debt was increased during the year \$145,000. It was decreased \$203,000, leaving the funded debt January 1, 1915, \$1,616,000, a decrease of \$58,000.

Financial Statement

Funded Debt.—The funded debt of the city January 1, 1914, was as follows:—

City Loan	\$1,161,000 00
Sewer Loan	342,000 00
Water Loan	32,000 00
Metropolitan Park Assessment Loan . .	16,000 00
Lowell Street Bridge Loan	36,000 00
Municipal Loan	87,000 00
	<hr/>
	\$1,674,000 00

The debt was increased during the year by appropriations made by the board of aldermen, as follows:—

Highways Construction, New Streets .	\$25,000 00
Highways Construction, Permanent Pavement	50,000 00
Highways Construction, Macadam Pavement	30,000 00
Sidewalks Construction	20,000 00
Sewers Construction	20,000 00
	<hr/>
	\$145,000 00

The debt was reduced during the year by maturities as follows:—

City Loan	\$165,000 00
Sewer Loan	20,000 00
Water Loan	6,000 00
Metropolitan Park Assessment Loan .	1,000 00
Lowell Street Bridge Loan	1,000 00
Municipal Loan	10,000 00
	<hr/>
	\$203,000 00

Leaving the funded debt of the city January 1, 1915, \$1,616,000, in bonds classified as follows:—

City Loan at 3½ per cent.	\$178,000 00
City Loan at 4 per cent.	724,000 00
City Loan at 4¼ per cent.	94,000 00
Sewer Loan at 3½ per cent.	76,000 00
	<hr/>

Amount carried forward \$1,072,000 00

Amount brought forward	\$1,072,000 00
Sewer Loan at 4 per cent.	237,000 00
Sewer Loan at 4¼ per cent.	29,000 00
Water Loan at 4 per cent.	26,000 00
Metropolitan Park Assessment Loan at 3½ per cent.	15,000 00
Lowell Street Bridge Loan at 3½ per cent.	35,000 00
Municipal Loan at 4½ per cent.	77,000 00
Highway Loan at 4 per cent.	125,000 00
	<hr/>
	\$1,616,000 00

Taxes.—The assessors' warrant for the tax levy assessed upon the polls and estates of the inhabitants, as of April 1, 1914, was duly submitted to the collector.

The total amount of taxable property, not including non-resident bank shares, was \$74,946,894.00, and the rate established was \$21.10 on each \$1,000 valuation, as follows:—

Real estate, valuation	\$66,392,100 00
Personal estate, valuation	8,495,700 00
Resident bank shares	59,094 00
	<hr/>
Total valuation	\$74,946,894 00
At the rate of \$21.10 on each \$1,000 valua- tion	\$1,581,379 46
Polls, 24,192 at \$2	48,384 00
Street Sprinkling	35,526 00
	<hr/>
	\$1,665,289 46
Non-resident bank shares, \$87,906 at \$21.10	1,854 82
	<hr/>
Total amount of tax levy	\$1,667,144 28

Appropriations were made as follows:—

General Government	\$80,895 00
Protection of Persons and Property	246,750 00
Health and Sanitation	161,200 00
Highways	124,600 00
Charities	45,500 00
Soldiers' Benefits	37,100 00
Education	455,750 00
Libraries	43,750 00
Recreation	17,775 00
Unclassified	36,800 87
	<hr/>

Amount carried forward \$1,250,120 87

Amount brought forward	\$1,250,120 87
Municipal Indebtedness	272,163 10
Water Works	176,759 13
<hr/>	
Amounting in the aggregate to . . .	\$1,699,043 10
Less estimated revenue	432,865 24
<hr/>	
Amount to be raised by taxation for city purposes	\$1,266,177 86

STATE AND COUNTY TAXES, ETC.

State Tax	\$137,812 50
County Tax	75,576 51
Grade Crossing Tax	15,248 42
State Highway Tax	380 99
Abatement of Smoke, Boston and vicinity	285 51
Metropolitan Sewer Assessment	72,437 60
Metropolitan Park Assessment	37,242 19
Charles River Basin Assessment	6,638 16
Alewife Brook Assessment	1,323 29
Wellington Bridge Assessment	648 06
Overlay and Abatement	15,992 37
Street Sprinkling	35,526 00
<hr/>	
	\$1,665,289 46
Collected for state on non-resident bank shares	1,854 82
<hr/>	
	\$1,667,144 28

The following tables, giving a condensed history of the city's finances, are herewith presented for reference:—

YEAR.	Amount of Funded Debt.	Increase of Funded Debt.	Reduction of Funded Debt.	Tax Rate per \$1,000 Valuation on Account of Reduction of Funded Debt.
Town	\$593,349			
Dec. 31, 1872	643,354	\$50,005	. .	. .
" 1873	809,354	166,000	. .	. .
" 1874	1,419,854	610,500	. .	. .
" 1875	1,571,854	152,000	. .	. .
" 1876	1,606,854	45,000	*\$55,130 62	\$2 07
" 1877	1,606,854	10,000	*53,828 53	2 30
" 1878	1,596,854	. .	61,004 64	2 91
" 1879	1,585,000	. .	64,915 76	3 42
" 1880	1,585,000	. .	55,739 35	2 72
" 1881	1,585,000	. .	58,498 64	2 59
" 1882	1,585,000	. .	61,390 59	2 65
" 1883	1,585,000	. .	64,479 01	2 70
" 1884	1,585,000	. .	67,719 33	2 78
" 1885	†1,525,000	. .	71,305 66	2 87
" 1886	1,525,000	. .	66,894 23	2 57
" 1887	1,525,000	. .	70,252 88	2 56
" 1888	†860,500	25,000	37,000 00	1 23
" 1889	952,500	130,000	33,000 00	1 27
" 1890	1,057,500	150,000	45,000 00	1 33
" 1891	1,045,590	45,000	57,000 00	1 55
" 1892	1,194,500	253,000	104,000 00	2 73
" 1893	1,279,500	222,000	137,000 00	3 27
" 1894	1,344,500	172,000	107,000 00	2 42
" 1895	1,506,500	247,000	85,000 00	1 83
" 1896	1,531,000	177,000	152,500 00	3 11
" 1897	1,548,000	167,000	150,000 00	2 39
" 1898	1,552,000	176,000	172,000 00	3 99
" 1899	1,492,500	110,000	169,500 00	3 30
" 1900	1,478,000	152,000	166,500 00	3 17
" 1901	1,461,000	146,000	163,000 00	3 02
" 1902	1,447,000	175,000	159,000 00	2 86
" 1903	1,505,500	197,500	169,000 00	2 96
" 1904	1,493,500	132,500	139,500 00	2 40
" 1905	1,510,000	148,000	136,500 00	2 30
" 1906	1,464,500	100,000	145,500 00	2 41
" 1907	1,508,000	193,000	154,500 00	2 51
" 1908	1,466,500	110,000	151,500 00	2 06
" 1909	1,503,000	190,000	153,500 00	2 42
" 1910	1,500,000	160,000	163,000 00	2 26
" 1911	1,519,000	188,000	169,000 00	2 41
" 1912	1,674,000	332,000	177,000 00	2 54
" 1913	1,674,000	222,000	222,000 00	2 92
" 1914	1,616,000	145,000	203,000 00	2 63

*\$10,000 applied to payment of bonds; balance to sinking funds.

†Sinking fund applied.

YEAR.	VALUATION.	TAX LEVY.	RATE.
1872 . . .	\$22,755,325 . . .	\$274,374 45 . . .	\$13 00
1873 . . .	29,643,100 . . .	389,214 48 . . .	12 80
1874 . . .	30,837,700 . . .	473,235 50 . . .	15 00
1875 . . .	31,317,000 . . .	518,161 40 . . .	16 20
1876 . . .	26,573,400 . . .	504,475 24 . . .	18 60
1877 . . .	25,479,400 . . .	471,789 14 . . .	18 10
1878 . . .	20,976,900 . . .	409,497 10 . . .	19 00
1879 . . .	18,950,100 . . .	352,553 80 . . .	18 00
1880 . . .	20,458,100 . . .	402,927 71 . . .	19 10
1881 . . .	22,569,100 . . .	452,945 45 . . .	19 50
1882 . . .	23,162,200 . . .	425,721 16 . . .	17 80
1883 . . .	23,812,900 . . .	411,645 43 . . .	16 70
1884 . . .	24,331,100 . . .	418,750 26 . . .	16 60
1885 . . .	24,878,400 . . .	428,605 44 . . .	16 60
1886 . . .	26,003,200 . . .	416,987 28 . . .	15 40
1887 . . .	27,471,800 . . .	424,309 14 . . .	14 80
1888 . . .	28,765,400 . . .	421,458 60 . . .	14 00
1889 . . .	30,004,600 . . .	440,324 40 . . .	14 00
1890 . . .	32,557,500 . . .	447,704 00 . . .	14 00
1891 . . .	36,843,400 . . .	539,137 10 . . .	14 00
1892 . . .	38,093,100 . . .	596,357 50 . . .	15 00
1893 . . .	41,873,600 . . .	675,886 80 . . .	15 50
1894 . . .	44,142,900 . . .	721,165 54 . . .	15 70
1895 . . .	46,506,300 . . .	745,609 02 . . .	15 40
1896 . . .	49,070,800 . . .	786,412 32 . . .	15 40
1897 . . .	50,231,000 . . .	913,574 42 . . .	17 30
1898 . . .	50,739,700 . . .	954,187 11 . . .	17 90
1899 . . .	51,262,400 . . .	882,580 96 . . .	16 30
1900 . . .	52,578,200 . . .	889,916 08 . . .	16 00
1901 . . .	53,924,200 . . .	907,439 82 . . .	15 90
1902 . . .	55,558,300 . . .	964,535 80 . . .	16 40
1903 . . .	57,062,000 . . .	1,038,849 84 . . .	17 20
1904 . . .	58,137,900 . . .	1,059,292 56 . . .	17 20
1905 . . .	59,233,000 . . .	1,144,000 14 . . .	18 30
1906 . . .	60,371,500 . . .	1,114,023 62 . . .	17 40
1907 . . .	61,627,200 . . .	1,144,434 92 . . .	17 40
1908 . . .	63,153,400 . . .	1,237,694 72 . . .	18 40
1909 . . .	63,658,953 20 . . .	1,260,144 32 . . .	18 60
1910 . . .	66,376,338 70 . . .	1,306,888 71 . . .	18 50
1911 . . .	67,284,066 00 . . .	1,366,240 92 . . .	19 10
1912 . . .	69,632,540 00 . . .	1,390,824 93 . . .	18 80
1913 . . .	71,906,464 00 . . .	1,505,706 98 . . .	19 80
1914 . . .	74,946,894 00 . . .	1,665,289 46 . . .	21 10

REPORT OF THE CITY TREASURER AND COLLECTOR OF TAXES.

Treasurer's Office, February 11, 1915.

To the Honorable, the Mayor, and the Board of Aldermen of
the City of Somerville:—

Gentlemen: The undersigned presents herewith the forty-third annual report of the financial condition of the city and a statement showing in detail the receipts and disbursements for the year ending December 31, 1914.

Public Property.

The property acquired during the year was as follows:—

City Hall Annex Remodelling	\$3,500 00
New Cells, Police Station	3,999 93
Fire Department, Additional Apparatus	18,928 00
Sewers, Construction	\$9,898 30
Less Catch Basins, etc.	4,190 92
	<hr/>
	5,707 38
Incinerator Addition	3,100 00
High School Addition	13,756 31
High School Addition, Furnishing and Equipment	2,916 38
Central Heating Plant	12,140 07
Public Library Construction	9,407 61
Playgrounds Extension	676 46
Water Works Extension	\$17,289 71
Less Water Service Assessments	4,223 54
	<hr/>
	13,066 17
	<hr/>
	\$87,198 31
Items omitted from 1913 report:—	
Charlton Lot, Murdock street	500 00
Reserve Strip, Hancock street and Spencer avenue, 120 square feet	50 00
	<hr/>
	\$87,748 31

Deductions.

Less City Hall Annex (old building corner Highland avenue and Walnut street), torn down	\$20,655 02
Less Fire Department apparatus, equipment, etc., depreciation, sale of horses, etc., as per inventory of the chief of the department	21,797 35
	<hr/>
	42,452 37
	<hr/>
Increase in 1914	\$45,295 94
Value, December 31, 1913	5,977,905 82
	<hr/>
Making the total public property December 31, 1914	<u>\$6,023,201 76</u>

Funded Debt.

The funded debt December 31, 1913, as per Table B of the last annual report, was \$1,674,000.00.

The debt was increased during the year by appropriations as follows:—

Loan dated April 1, 1914:—

Highways Construction, New Streets	\$25,000 00
Highways Construction, Permanent Pavement	50,000 00
Highways Construction, Macadam Pavement	30,000 00
Sidewalks Construction	20,000 00
Sewers Construction	20,000 00

Total amount of appropriations on Funded Debt account	\$145,000 00
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To provide for the above-mentioned appropriations, coupon bonds to the amount of \$145,000 were issued, viz.:—

Dated April 1, 1914, 4 per cent.:—

Highway Loan Bonds:—

Nos. 1 to 18, payable 1915	\$18,000 00
Nos. 19 to 36, payable 1916	18,000 00
Nos. 37 to 54, payable 1917	18,000 00
Nos. 55 to 72, payable 1918	18,000 00
Nos. 73 to 90, payable 1919	18,000 00
Nos. 91 to 97, payable 1920	7,000 00
Nos. 98 to 104, payable 1921	7,000 00
Nos. 105 to 111, payable 1922	7,000 00
Nos. 112 to 118, payable 1923	7,000 00
Nos. 119 to 125, payable 1924	7,000 00

Sewer Loan Bonds:—

Nos. 594 to 613, payable 1915 to 1934	20,000 00
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\$145,000 00

The following bonds became due during the year:—

City Loan Bonds:—

No. Reg. 188, interest 4 per cent.	\$1,000 00
Nos. 1729 to 1732, interest 4 per cent.	4,000 00
No. Reg. 178, interest 4 per cent.	1,000 00
Nos. 2032 to 2036, 2042 to 2044, interest 4 per cent.	8,000 00
No. Reg. 196, interest 4 per cent.	5,000 00
No. Reg. 80, interest 4 per cent.	3,000 00
Nos. 2205 to 2206, interest 4 per cent.	2,000 00
No. Reg. 173, interest 4 per cent.	2,000 00
Nos. 2349 to 2352, interest 4 per cent.	4,000 00
Nos. 2491 to 2495, interest 4 per cent.	5,000 00
Nos. 2608 to 2611, interest 4 per cent.	4,000 00
Nos. 2750 to 2753, interest 3½ per cent.	4,000 00
Nos. 2862 to 2865, interest 3½ per cent.	4,000 00
Nos. 2991 to 2993, interest 3½ per cent.	3,000 00
Nos. 3110 to 3113, interest 4 per cent.	4,000 00
Nos. 3170 to 3171, interest 4 per cent.	2,000 00
Nos. 3271 to 3279, interest 4 per cent.	8,000 00

Amount carried forward	\$64,000 00
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Amount brought forward	\$64,000 00
No. Reg. 119, interest $3\frac{1}{2}$ per cent.	8,000 00
No. Reg. 10, interest 4 per cent.	7,000 00
Nos. 3574 to 3584, interest 4 per cent.	11,000 00
Nos. 3681 to 3687, interest 4 per cent.	7,000 00
Nos. 3770 to 3780, interest $3\frac{1}{2}$ per cent.	11,000 00
Nos. 3876 to 3885, interest 4 per cent.	10,000 00
Nos. 4004 to 4017, interest 4 per cent.	14,000 00
Nos. 4155 to 4165, interest 4 per cent.	11,000 00
Nos. 4273 to 4283, interest 4 per cent.	11,000 00
Nos. 4461 to 4471, interest $4\frac{1}{4}$ per cent.	11,000 00

Sewer Loan Bonds:—

No. 73, interest 4 per cent.	1,000 00
Nos. 138 to 140, interest 4 per cent.	3,000 00
No. 190, interest 4 per cent.	1,000 00
No. 214, interest 4 per cent.	1,000 00
No. 236, interest $3\frac{1}{2}$ per cent.	1,000 00
No. 265, interest $3\frac{1}{2}$ per cent.	1,000 00
No. 289, interest 4 per cent.	1,000 00
No. 313, interest 4 per cent.	1,000 00
No. Reg. 137, interest $3\frac{1}{2}$ per cent.	1,000 00
No. Reg. 4, interest 4 per cent.	1,000 00
No. Reg. 24, interest 4 per cent.	2,000 00
No. 444, interest 4 per cent.	1,000 00
No. 473, interest $3\frac{1}{2}$ per cent.	1,000 00
No. 502, interest 4 per cent.	1,000 00
No. 531, interest 4 per cent.	1,000 00
No. 550, interest 4 per cent.	1,000 00
No. 564, interest $4\frac{1}{4}$ per cent.	1,000 00

Water Loan Bonds:—

No. 298, interest 4 per cent.	1,000 00
No. Reg. 107, interest 4 per cent.	3,000 00
Nos. 434 to 435, interest 4 per cent.	2,000 00

Metropolitan Park Assessment Loan Bonds:—

No. 12, interest $3\frac{1}{2}$ per cent.	1,000 00
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Lowell Street Bridge Loan Bonds:

No. 5, interest $3\frac{1}{2}$ per cent.	1,000 00
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Municipal Loan Bonds:—

Nos. 4566 to 4575, interest $4\frac{1}{2}$ per cent.	10,000 00
--	-----------

Total amount of bonds maturing in 1914 \$203,000 00

Leaving the net funded debt December 31, 1914,
\$1,616,000.00, classified as follows:—

City Loan Bonds at $3\frac{1}{2}$ per cent.	\$178,000 00
City Loan Bonds at 4 per cent.	724,000 00
City Loan Bonds at $4\frac{1}{4}$ per cent.	94,000 00
Sewer Loan Bonds at $3\frac{1}{2}$ per cent.	76,000 00
Sewer Loan Bonds at 4 per cent.	237,000 00
Sewer Loan Bonds at $4\frac{1}{4}$ per cent.	29,000 00
Water Loan Bonds, at 4 per cent.	26,000 00
Metropolitan Park Assessment Loan Bonds at $3\frac{1}{2}$ per cent.	15,000 00
Lowell Street Bridge Loan Bonds at $3\frac{1}{2}$ per cent.	35,000 00

Amount carried forward \$1,414,000 00

Amount brought forward	\$1,414,000 00
Municipal Loan Bonds at 4½ per cent.	77,000 00
Highway Loan Bonds at 4 per cent.	125,000 00
	<hr/>
	\$1,616,000 00

Funded debt within the limit fixed by law:—

City Loan	\$996,000 00
Municipal Loan	77,000 00
Sewer Loan	309,000 00
Lowell Street Bridge Loan	35,000 00
Highway Loan	125,000 00
	<hr/>
	\$1,542,000 00

Funded debt beyond the limit fixed by law:—

Sewer Loan (Chapter 357, Acts 1895)	\$33,000 00
Metropolitan Park Assessment Loan (Chapter 325, Acts 1902)	15,000 00
	<hr/>
	\$48,000 00
Water Loan	26,000 00
	<hr/>
	74,000 00
	<hr/>
	<u>\$1,616,000 00</u>

Borrowing Capacity.

Valuation, 1912	\$69,632,540 00
Supplementary	284,000 00
	<hr/>
	\$69,916,540 00
Valuation, 1913	\$71,906,464 00
Supplementary	257,400 00
	<hr/>
	72,163,864 00
Valuation, 1914	\$74,946,894 00
Supplementary	179,300 00
	<hr/>
	75,126,194 00
	<hr/>
	\$217,206,598 00
Abatements, 1912	\$476,200 00
Abatements, 1913	553,900 00
Abatements, 1914	421,600 00
	<hr/>
	1,451,700 00
	<hr/>
	\$215,754,898 00
Average three years	1-3 71,918,299 33
	2½ per cent. 1,797,957.48
Amount within the limit	<hr/>
	1,542,000 00
	<hr/>
Borrowing capacity December 31, 1914	\$255,957 48
Maturities January 1, 1915	\$12,000 00
April 1, 1915	100,000 00
July 1, 1915	\$87,500 00
Less outside limit	5,000 00
	<hr/>
	82,500 00
October 1, 1915	\$6,000 00
Less outside limit	4,000 00
	<hr/>
	2,000 00
	<hr/>
Maturities in 1915 within the limit	196,500 00
	<hr/>
	<u>\$452,457 48</u>

Maturities within the limit	196,500 00
Maturities outside the limit	9,000 00
Total maturities	<u>\$205,500 00</u>

Resources.

The assessors' warrant for the tax levy, assessed upon the polls and estates of the inhabitants, was duly received.

The total amount of taxable property April 1, 1914, not including non-resident bank shares, was \$74,946,894, and the rate established was \$21.10 on each \$1,000 valuation, as follows:—

Real estate, valuation	\$66,392,100 00
Personal estate valuation	8,495,700 00
Resident Bank Shares	59,094 00
Total valuation	<u>\$74,946,894 00</u>
At a rate of \$21.10 on each \$1,000 valuation	\$1,581,379 46
Polls, 24,192 at \$2	48,384 00
Street Sprinkling	35,526 00
	<u>\$1,665,289 46</u>
Non-resident bank shares to be paid to state (valuation \$87,906 at \$21.10)	1,854 82
Total amount of tax levy	<u>\$1,667,144 28</u>
Borrowed on Funded Debt account to provide for the cost of public improvements	145,000 00
Revenue, from Corporation Taxes, City Departments, etc.	448,351 72
Revenue for Outlays, improvements to incinerator	3,100 00
Gifts: Carnegie Corporation, for Library Construction	5,000 00
	<u>\$2,268,596 00</u>
Additional Assessments:—	
90 polls at \$2	\$180 00
Personal estate, valuation \$179,300 at \$21.10	3,783 23
	<u>3,963 23</u>
	<u>\$2,272,559 23</u>

Credit Balances.**Funded Accounts:—**

Electrical Department, Underground Construction	\$18 95
Sewers Construction	13,101 41
Highways Construction, New Streets	1 75
Highways Construction, Permanent Pavement	297 64
Highways Construction, Macadam Pavement	355 54
Sidewalks Construction	89 03
Grade Crossings Expenses	5,818 09
Bennett School Addition	166 71
S. Newton Cutler School	1,269 79
Central Heating Plant	602 21
Playgrounds Extension	71 99
Building Public Buildings	1,448 10
	<u>\$23,241 21</u>

Public Trust Funds, Income:—

Public Library:—

Isaac Pitman Fund, Art	\$35 58
Isaac Pitman Fund, Poetry	18 30
Martha R. Hunt Fund, Art	44 89
Martha R. Hunt Fund, Books	49 16
Frances A. Wilder Children's Department	3 68
S. Newton Cutler Fund	29 90
Martha R. Hunt Fund, Art, balance unexpended of the \$1,000 withdrawn from investment account	702 77

Public School:—

S. Newton Cutler Fund	319 50
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\$1,203 78

Private Trust Funds:—

Sundry Persons	127 11
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\$1,330 89
Cash.

Balance on hand January 1, 1914	\$133,743 46
Total receipts for the year 1914	3,323,111 43
Service transfers	36,239 12

\$3,493,094 01

Total cash disbursements for the year 1914	3,384,073 61
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Balance in the treasury, December 31, 1914	\$109,020 40
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Deposits in banks	\$106,541 47
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Cash on hand	2,478 93
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\$109,020 40
Available Assets.

Cash in treasury	\$109,020 40
Funded Debt Balances	\$23,241 21
Public Trust Funds, Income	1,203 78
Private Trust Funds	127 11

24,572 10

\$84,448 30

Taxes uncollected, 1912 and prior years	\$56 00
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Overlay and Abatement, 1912 and prior years	96 14
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Taxes uncollected, 1913	\$1,029 52
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Overlay and Abatement, 1913	6,507 68
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Taxes uncollected, 1914	\$342,983 21
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Overlay and Abatement, 1914	10,497 08
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332,486 13

Highway Betterment Assessments, uncollected	10,833 60
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Sidewalk Assessments, uncollected	17,011 22
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Sewer Assessments, uncollected	2,874 98
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Metered Water Charges, uncollected	20,879 30
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Commonwealth of Massachusetts, cash advances:—

State Aid	\$14,420 00
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Military Aid	192 00
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Amounts carried forward	\$14,612 00	\$468,533 53
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Amounts brought forward	\$14,612 00	\$468,533 53
Soldiers' Burials	600 00	
		<hr/>
		15,212 00
Grade Crossings (cash advances for land damages, etc.)		4,192 71
		<hr/>
		\$487,938 24

Liabilities.

Temporary Tax Loans		\$465,000 00
		<hr/>
		\$22,938 24
Excess and Deficiency	\$15,695 89	
Surplus Overlay and Abatement, 1912	40 14	
Surplus Overlay and Abatement, 1913	5,478 16	
Reduction of Funded Debt, premium on bonds	1,724 05	
	<hr/>	<hr/>
		\$22,938 24

Balance Sheet.

DEBIT.

Public Property	\$6,023,201 76
Excess of available assets	22,938 24
	<hr/>
	\$6,046,140 00

CREDIT.

Funded Debt	\$1,616,000 00
Property and Debt Balance	4,407,201 76
Excess and Deficiency account	15,695 89
Overlay and Abatement, 1912 and prior years (in excess of outstanding taxes)	40 14
Overlay and Abatement, 1913 (in excess of outstanding taxes)	5,478 16
Reduction of Funded Debt, premium on bonds	1,724 05
	<hr/>
	\$6,046,140 00

A detailed statement of the public property, funded debt, and of the receipts and disbursements of the several accounts will be found in the following appendix.

Respectfully submitted,
JOSEPH S. PIKE,
Treasurer and Collector of Taxes.

APPENDIX TO TREASURER AND COLLECTOR'S REPORT.

TABLE A.—PUBLIC PROPERTY DECEMBER 31, 1914.

Central Hill land (389,920 feet)		\$270 000 00
City Hall	\$37,795 74	
Furniture and fixtures	10,000 00	
Storage vault	2,342 91	
		50,138 65
City Hall Annex		45,500 00
Central Heating Plant		32,556 07
Central Library Building	124,999 54	
Books, art, etc.	25,000 00	
Public Library land and building, West Somerville	31,449 52	
		181,449 06
Albion A. Perry Schoolhouse, Washington street, land (46,080 feet) and building	36,000 00	
Furniture	1,080 00	
Books	530 00	
		37,610 00
Bingham Schoolhouse, land (35,586 feet) and building	69,355 50	
Furniture	2,600 00	
Books	2,300 00	
		74,255 50
Burns Schoolhouse, land (16,080 feet) and building	33,300 00	
Furniture	1,460 00	
Books	1,000 00	
		35,760 00
Charles G. Pope Schoolhouse, land (27,236 feet) and building	83,600 00	
Furniture	2,160 00	
Books	2,600 00	
		88,360 00
Cummings Schoolhouse, land (11,300 feet) and building	11,200 00	
Furniture	720 00	
Books	500 00	
		12,420 00
Davis Schoolhouse, land (30,155 feet) and building	22,000 00	
Furniture	720 00	
Books	400 00	
Vocational equipment	5,183 50	
		28,303 50
Edgerly Schoolhouse, land (24,000 feet) and building	43,800 00	
Furniture	2,230 00	
Books	2,800 00	
		48,830 00
High Schoolhouse	376,695 24	
Furniture	19,431 60	
Philosophical and manual training ap- paratus	13,475 66	
Amounts carried forward	\$409,602 50	\$905,182 78

Amounts brought forward	\$409,602 50	\$905,182 78
Books	15,300 00	
		<hr/> 424,902 50
Forster Schoolhouse and Annex, land (30,632 feet) and buildings	84,155 04	
Furniture	3,290 00	
Books	4,100 00	
		<hr/> 91,545 04
George L. Baxter Schoolhouse, land (11,000 feet) and building	31,800 00	
Furniture	1,155 64	
Books	450 00	
		<hr/> 33,405 64
George O. Proctor Schoolhouse, building (on Armory lot) (40,244 feet)	41,029 16	
Furniture	1,791 30	
Books	1,200 00	
		<hr/> 44,020 46
George W. Durell Schoolhouse, land (13,883 feet) and building	19,000 00	
Furniture	720 00	
Books	500 00	
		<hr/> 20,220 00
Highland Schoolhouse, land (23,260 feet) and building	58,000 00	
Furniture	2,560 00	
Books	2,800 00	
		<hr/> 63,360 00
Jacob T. Glines Schoolhouse, land (28,800 feet) and building	78,200 00	
Furniture	2,340 00	
Books	2,100 00	
		<hr/> 82,640 00
Lincoln Schoolhouse, land (17,662 feet) and building	17,500 00	
Furniture	720 00	
		<hr/> 18,220 00
Luther V. Bell Schoolhouse, land (22,262 feet) and building	47,685 16	
Furniture	2,400 00	
Books	2,400 00	
		<hr/> 52,485 16
Martin W. Carr Schoolhouse, land (21,530 feet) and building	51,410 00	
Furniture	2,800 00	
Books	2,800 00	
		<hr/> 57,010 00
Morse Schoolhouse, land (29,000 feet) and building	45,859 00	
Furniture	2,340 00	
Books	2,800 00	
		<hr/> 50,999 00
Amount carried forward		<hr/> \$1,843,990 58

Amount brought forward		\$1,843,990 58	
Martha Perry Lowe Schoolhouse, land (21,650 feet) and building	\$50,346 16		
Furniture	1,480 00		
Books	800 00		
			52,626 16
O. S. Knapp Schoolhouse, land (24,517 feet) and building	48,000 00		
Furniture	2,540 00		
Books	3,000 00		
			53,540 00
Prescott Schoolhouse, land (22,000 feet) and building	66,677 66		
Furniture	2,260 00		
Books	2,700 00		
			71,637 66
Prospect-hill Schoolhouse, land (23,733 feet) and building			15,000 00
Benjamin G. Brown Schoolhouse, land (26,733 feet) and building	62,861 17		
Furniture	1,290 16		
Books	700 00		
			64,851 33
Sanford Hanscom Schoolhouse, land (16,767 feet) and building	72,210 46		
Furniture	1,080 00		
Books	500 00		
			73,790 46
Clark W. Bennett Schoolhouse, land (21,964 feet) and building	59,589 03		
Furniture	2,180 00		
Books	1,000 00		
			62,769 03
William H. Hodgkins Schoolhouse, land (47,379 feet) and building	77,359 88		
Furniture	2,400 00		
Books	2,300 00		
			82,059 88
S. Newton Cutler Schoolhouse, land (53,729 feet) and building	86,296 40		
Furniture	1,490 26		
Books	1,500 00		
			89,286 66
Industrial School for Girls, land (8,850 feet), Building	4,300 00		
Equipment	5,986 60		
	408 42		
			10,695 02
City Stables, dwelling houses and 462,623 feet of land	95,350 12		
Health Department, shed	1,189 79		
Incinerator	5,804 01		
Equipments for highway repairs	26,090 00		
Watering carts and sheds	5,000 00		
Spraying machine	1,289 00		
Refuse disposal equipment	4,950 00		
			139,672 92
Water Works, land and buildings (93,500 feet)			32,000 00
Amount carried forward			\$2,591,919 70

Amount brought forward		\$2,591,919 70	
No. 1. Fire Station land (8,937 feet) and building	\$33,200 00		
Engine No. 2, and equipment	3,000 00		
Wagon and equipment	2,300 00		
Ladder No. 3, and equipment	3,500 00		
Exercising wagon	75 00		
Furniture	600 00		
			42,675 00
No. 2 Fire Station, land (5,500 feet) and building	10,400 00		
Combination wagon and equipment	2,500 00		
Exercising wagon	75 00		
Furniture	300 00		
			13,275 00
No. 3 Fire Station, land (13,700 feet) and building	55,743 18		
Combination wagon and equipment	2,500 00		
Ladder No. 1 and equipment	3,500 00		
Spare ladder truck	1,000 00		
Spare engine	1,000 00		
Spare wagon	300 00		
Furniture	700 00		
			64,743 18
No. 4 Fire Station, land (9,100 feet) and building	15,500 00		
Engine No. 4, and equipment	6,000 00		
Wagon and equipment	1,500 00		
Exercising wagon	75 00		
Furniture	300 00		
			23,375 00
No. 5 Fire Station, land (39,000 feet) and building	16,500 00		
Motor combination wagon	5,264 00		
Exercising wagon	75 00		
Furniture	300 00		
			22,139 00
No. 6 Fire Station, land (8,113 feet) and building	17,600 00		
Engine No. 6, and equipment	5,000 00		
Combination wagon and equipment	2,500 00		
Assistant Chief's buggy and equipment	350 00		
Furniture	600 00		
			26,050 00
No. 7 Fire Station, land (9,903 feet) and building	14,100 00		
Ladder No. 2 (motor)	5,264 00		
Motor combination wagon	4,000 00		
Furniture	400 00		
			23,764 00
No. 8 Fire Station, land (11,738 feet) and building	36,700 00		
Engine No. 1 (motor)	8,400 00		
Motor combination wagon	5,800 00		
Motor chemical	1,000 00		
Chief's auto	1,875 00		
Assistant Chief's buggy and equipment	450 00		
Amounts carried forward	\$54,225 00	\$2,807,940 88	

Amounts brought forward	\$54,225 00	\$2,807,940 88
Furniture	1,000 00	
		55,225 00
Land for Fire Station, Winter Hill (7,829 feet)		6,038 20
Fire Alarm and Police Signal apparatus		36,610 00
Police Station, land (15,225 feet) and building	58,953 12	
Furniture	3,000 00	
Vault	2,994 90	
Ambulance and patrol auto	3,715 00	
		68,663 02
City Home, Broadway, land (421,646 feet) and buildings	44,407 85	
Furniture	1,808 72	
		46,216 57
Contagious and Tuberculosis Hospital buildings	28,499 55	
Land (88,364 feet)	15,600 00	
		44,099 55
Bath House		3,730 24
Water Works, mains, etc.		985,364 77
Sewers		1,312,608 38
Prospect street, land (7,918 feet) and building		6,800 00
Broadway Park (cost \$212,993.20) (700,000 square feet)	270,000 00	
Park Buildings	2,726 89	
		272,726 89
Nathan Tufts Park (about 4 54-100 acres, 217,572 feet)		68,000 00
Lincoln Park, Washington street (288,764 square feet)	63,200 00	
Out-door Gymnasium, fountains and seats	1,476 46	
Park Building	3,753 19	
		68,429 65
Prospect-hill Park (94,503 feet)	67,511 75	
Historical Building and Observatory	9,119 55	
		76,631 30
Kent-street Playground (40,000 feet)		12,500 00
Powder-house Boulevard (200,618 square feet) and building		22,500 00
Joy street, land (2,700 feet)		900 00
Broadway, land (10,890 feet)		2,300 00
Webster avenue, land (10,000 feet)		2,500 00
Holland street, land (217,800 feet)		35,500 00
Gravel land in Waltham (about 30 acres)		10,234 17
Somerville Field		27,300 00
Clarendon-hill ledge		8,500 00
Oliver street, land (40,500 feet)		18,000 00
Beacon street, land (10,000 feet)		2,800 00
Passageway on Putnam street (1,135 feet)		400 00
Stand Pipe lot (17,176 feet)		5,100 00
Glen street, land (6,370 feet)		2,300 00
Somerville avenue, land (305 feet)		300 00
Broadway, junction Main street, land (1,260 feet)		900 00
Joy-street playground (20,000 feet)		9,750 00
Charlton lot, Murdock street (6,014 square feet)		500 00
Reserve strip, Hancock street and Spencer avenue (120 square feet)		50 00
Polling Booths		1,783 14
Total amount of public property		\$6,023,201 76

TABLE B. OUTSTANDING BONDS, JANUARY 1, 1915.

ISSUE.	Rate per cent. of Interest.	Highway	Water.	Municipal Loan.	Met. Park Assessment (Outside of limit) Chap. 325, Acts 1902.	Lowell Street Bridge.	Sewer.	Sewer (Outside of limit) Chap. 357, Acts 1895.	City.	Total.
July 1, 1888	4	.	\$4,000	.....	.....	.....	.....	.....	.....	\$4,000
Oct. 1, 1889	4	.	10,000	.....	.....	.....	.....	.....	.....	10,000
Oct. 1, 1890	4	.	12,000	.....	.....	.....	.....	.....	.....	12,000
July 1, 1895	4	.	.....	.....	.....	.....	.....	\$33,000	13,000	46,000
July 1, 1896	4	.	.....	.....	.....	.....	.....	.....	14,000	14,000
July 1, 1897	4	.	.....	.....	.....	.....	8,000	.....	12,000	20,000
July 1, 1898	4	.	.....	.....	.....	.....	9,000	.....	20,000	29,000
July 1, 1899	4	.	.....	.....	.....	.....	.....	.....	14,000	14,000
July 2, 1900	3½	.	.....	.....	.....	.....	.....	.....	24,000	24,000
July 1, 1901	3½	.	.....	.....	.....	.....	17,000	.....	28,000	45,000
July 1, 1902	3½	.	.....	.....	\$15,000	.....	13,000	.....	23,000	51,000
July 1, 1903	4	.	.....	.....	.....	.....	14,000	.....	36,000	50,000
Oct. 1, 1903	4	.	.....	.....	.....	.....	.....	.....	18,000	18,000
July 1, 1904	4	.	.....	.....	.....	.....	15,000	.....	25,000	40,000
April 1, 1905	3½	.	.....	.....	.....	.....	21,000	.....	38,000	59,000
July 1, 1906	4	.	.....	.....	.....	.....	12,000	.....	19,000	31,000
April 1, 1907	4	.	.....	.....	.....	.....	46,000	.....	61,000	107,000
April 1, 1908	4	.	.....	.....	.....	.....	24,000	.....	38,000	62,000
April 1, 1909	3½	.	.....	.....	.....	\$35,000	25,000	.....	65,000	125,000
April 1, 1910	4	.	.....	.....	.....	.....	26,000	.....	90,000	116,000
April 1, 1911	4	.	.....	.....	.....	.....	17,000	.....	126,000	143,000
Jan. 1, 1912	4	.	.....	.....	.....	.....	13,000	.....	96,000	109,000
July 1, 1912	4	.	.....	.....	.....	.....	.....	.....	142,000	142,000
April 1, 1913	4¼	.	.....	.....	.....	.....	29,000	.....	94,000	123,000
July 1, 1913	4½	.	.....	\$77,000	.....	.....	.....	.....	.....	77,000
April 1, 1914	4	125,000	.....	.....	.....	.....	20,000	.....	.....	145,000
		\$125,000	\$26,000	\$77,000	\$15,000	\$35,000	\$309,000	\$33,000	\$996,000	\$1,616,000

BONDS DUE IN 1915.

ISSUE.	Rate per cent. of Interest.	Highway.	City.	Sewer.	Sewer (Outside of limit) Chap. 357, Acts 1895.	Water.	Municipal Loan.	Metropolitan Park Assessment (Outside) Chap. 325, Acts 1902.	Lowell Street Bridge.	Total.
July 1, 1888	4	.	.....	.....	.....	\$1,000	.....	.....	.....	\$1,000
Oct. 1, 1889	4	.	.....	.....	.....	2,000	.....	.....	.....	2,000
Oct. 1, 1890	4	.	.....	.....	.....	2,000	.....	.....	.....	2,000
July 1, 1895	4	.	\$13,000	.....	\$3,000	.....	.....	.....	.....	16,000
July 1, 1896	4	.	7,000	.....	.....	.....	.....	.....	.....	7,000
July 1, 1897	4	.	4,000	\$1,000	.....	.....	.....	.....	.....	5,000
July 1, 1898	4	.	5,000	1,000	.....	.....	.....	.....	.....	6,000
July 1, 1899	4	.	3,000	.....	.....	.....	.....	.....	.....	3,000
July 2, 1900	3½	.	4,000	.....	.....	.....	.....	.....	.....	4,000
July 1, 1901	3½	.	4,000	1,000	.....	.....	.....	.....	.....	5,000
July 1, 1902	3½	.	3,000	1,000	.....	.....	.....	\$1,000	.....	5,000
July 1, 1903	4	.	4,000	1,000	.....	.....	.....	.....	.....	5,000
Oct. 1, 1903	4	.	2,000	.....	.....	.....	.....	.....	.....	2,000
July 1, 1904	4	.	2,500	1,000	.....	.....	.....	.....	.....	3,500
April 1, 1905	3½	.	8,000	1,000	.....	.....	.....	.....	.....	9,000
July 1, 1906	4	.	7,000	1,000	.....	.....	.....	.....	.....	8,000
April 1, 1907	4	.	11,000	2,000	.....	.....	.....	.....	.....	13,000
April 1, 1908	4	.	7,000	1,000	.....	.....	.....	.....	.....	8,000
April 1, 1909	3½	.	11,000	1,000	.....	.....	.....	.....	.....	13,000
April 1, 1910	4	.	10,000	1,000	.....	.....	.....	.....	\$1,000	11,000
April 1, 1911	4	.	14,000	1,000	.....	.....	.....	.....	.....	15,000
Jan. 1, 1912	4	.	11,000	1,000	.....	.....	.....	.....	.....	12,000
July 1, 1912	4	.	9,000	.....	.....	.....	.....	.....	.....	9,000
April 1, 1913	4¼	.	11,000	1,000	.....	.....	.....	.....	.....	12,000
July 1, 1913	4½	.	.....	.....	.....	.....	\$10,000	.....	.....	10,000
April 1, 1914	4	\$18,000	.....	1,000	.....	.....	.....	.....	.....	19,000
		\$18,000	\$150,500	\$17,000	\$3,000	\$5,000	\$10,000	\$1,000	\$1,000	\$205,500

TABLE C—SERVICE TRANSFERS (Departmental Transactions)

City Clerk's Department:—		
Executive Department	\$2 00	
Election Expenses, City Clerk	450 00	
Election Expenses, Registrars of Voters	700 00	
Police Department	1 00	
Health Department	2 60	
	<hr/>	\$1,155 60
Commissioner of Public Buildings:—		
Summer Playgrounds	6 00	
	<hr/>	6 00
Engineering Department:—		
Parks Maintenance	445 80	
	<hr/>	445 80
Police Department:—		
Fire Department	6 00	
Contagious Hospital	41 39	
	<hr/>	47 39
Fire Department:—		
City Messenger	30 68	
Police Department	27 17	
Weights and Measures Department	20 28	
Electrical Department	237 03	
Sewers Maintenance	10 63	
Highways Maintenance	99 00	
Street Sprinkling	4 63	
	<hr/>	429 42
Electrical Department:—		
Underground Construction	226 00	
	<hr/>	226 00
Gypsy and Brown-tail Moth Extermination:—		
Care of Trees	133 73	
	<hr/>	133 73
Sewers Maintenance:—		
Water Maintenance	24 12	
Sewers Construction	391 68	
Parks Maintenance	25 54	
Sidewalks Construction	20 61	
	<hr/>	461 95
Highways Maintenance:—		
Police Department	296 50	
Elm-Leaf Beetle Extermination	93 80	
Care of Trees	627 13	
Refuse Disposal	5,055 40	
Street Cleaning	3,266 03	
Street Sprinkling	2,654 96	
Highways, New Streets	875 60	
Highways, Macadam Pavement	3,071 49	
Highways, Permanent Pavement	355 44	
Sidewalks Maintenance	1,189 86	
Sidewalks Construction	2,437 90	
Maintenance School Buildings	23 37	
Parks Maintenance	6 93	
Water Maintenance	77 92	
	<hr/>	20,032 33
Highways Construction, New Streets:—		
Highways, Macadam Pavement	\$10 00	
	<hr/>	
Amounts carried forward	\$10 00	\$22,938 22

Amounts brought forward	\$10 00	\$22,938 22
Highways, Permanent Pavement	78 24	
		88 24
Highways Macadam Pavement:—		
Highways, New Streets	426 88	
Highways Maintenance	3 99	
Sidewalks Construction	38 07	
		468 94
Sidewalks Construction:—		
Maintenance School Buildings	1 87	
Highways Maintenance	54 09	
Sidewalks Maintenance	5 44	
		61 40
Sidewalks Maintenance:—		
Highways, Permanent Pavement	4 27	
Highways, Macadam Pavement	1 05	
		5 32
Water Maintenance:—		
Assessors	5 19	
City Messenger	1 50	
Engineering Department	95 00	
Maintenance Municipal Buildings	9 77	
Maintenance Police Buildings	80	
Elm-Leaf Beetle Extermination	6 30	
Care of Trees	11 90	
Inspection of Milk and Vinegar	49 78	
Sewers Maintenance	37 83	
Sewers Construction	3 00	
Refuse Disposal	25 37	
Maintenance Refuse Buildings	18 90	
Highways Maintenance	98 04	
Highways, Street Sprinkling	265 67	
Poor Department, City Home	41 39	
Maintenance School Buildings	192 34	
Maintenance West Somerville Branch		
Library	56	
Parks Maintenance	21 22	
Parks Buildings	56 63	
Playgrounds Maintenance	14 06	
Workmen's Compensation	5 63	
Water Works Extension	11,716 12	
		12,677 00
		\$36,239 12

TABLE D.—REFUNDS (Maintenance Accounts)

City Messenger:—

George H. Noone, damage to auto \$100 00

Police Department:—

Walter L. Groves on pay roll of

1914 in error 23 03

Vital Statistics:—

J. H. Dorval. check refused 25

Amount carried forward \$123 28

Amount brought forward		\$123 28
Street Sprinkling, Massachusetts High- way Commission		3 00
Poor Department, Miscellaneous:—		
Mrs. Daniel Shea, money returned	37 00	
City of Boston, M. D. Hart, money returned	20 00	
	<hr/>	57 00
Poor Department, City Home:—		
S. Kasperorizez, wages unearned		2 20
Soldiers' Relief:—		
Charles J. Straw, money not called for	6 00	
Mrs. E. J. Williams, money not called for	11 00	
Mary A. Craigue, money not called for	10 00	
Edgar Bootman, money not called for	3 00	
	<hr/>	30 00
State Aid:—		
Clemina F. Gorham, money not called for	4 00	
Ella E. Doyle, money not called for	4 00	
	<hr/>	8 00
Maintenance School Buildings:—		
W. F. Fleming, bill paid twice		7 50
Central Library:—		
Rent of High School Hall	15 00	
Refund insurance premium	167 05	
	<hr/>	182 05
Interest:—		
Accrued on bond issues, April 1, 1914		789 44
Water Maintenance:—		
Michael Finnell, over-payment		8 43
		<hr/>
		\$1,210 90
		<hr/>

Offsets to Outlays.

Sewers Construction:—		
*Starret Field & Co., cement bags	\$121 68	
J. Talaewsky, old bags	18 45	
Grossman Bros., old iron	10 55	
	<hr/>	\$150 68
Highways Construction, New Streets:—		
*Highland Coal Company, cement bags		85 50
Highways Construction, Permanent Pavement:—		
Sundry persons, one half the cost of construction		174 50
Highways Construction, Macadam Pavement:—		
*Highland Coal Company cement bags.	311 19	
Sundry persons, one-half the cost of construction	77 35	
	<hr/>	388 54
Sidewalks Construction:—		
*Highland Coal Company, cement bags	630 00	
	<hr/>	
Amounts carried forward ,	\$630 00	\$799 22

Amounts brought forward	\$630 00	\$799 22
Boston & Maine Railroad, amount due on sundry sidewalks	341 12	
Sears Condit, sidewalk	110 41	
Knights of Columbus, sidewalk	159 60	
Sundry Persons, amounts paid in 1913 sidewalks construction	301 00	
		<hr/> 1,542 13
		\$2,341 35
*Treat as Refunds	121 68	
	85 50	
	311 19	
	630 00	
		<hr/> \$1,148 37
		<hr/> \$1,192 98

TABLE E.—REVENUE.**Corporation Taxes.**

Business, 1913	\$113 08	
Business, 1914	14,047 49	
		<hr/> \$14,160 57
Public Service, 1913	100 47	
Public Service, 1914	7,954 43	
		<hr/> 8,054 90
		\$22,215 47
National Bank Tax, 1914	4,022 38	
Refund Account, 1913	303 72	
		<hr/> 3,718 66
Street Railway Tax, 1914	30,857 29	
Boston Elevated Tax, 1914	10,957 27	
		<hr/> 41,814 56

Court Fees and Fines.

Police Court	2,160 50	
County Court	10 00	
		<hr/> 2,170 50
Dog Licenses, County		3,252 24

Licenses.

Liquor	21 75	
Business, City Clerk	2,635 00	
Health Department	179 00	
Milk	299 00	
Permits, Marriage	956 00	
All others	325 00	
		<hr/> 4,415 75

Interest.

Taxes	9,007 64	
Assessments	345 17	
Bank Balances, Treasurer	4,866 18	
City Clerk	11 63	
		<hr/> 14,230 62
Amount carried forward		\$91,817 80

Amount brought forward		\$91,817 80	
Departmental Accounts.			
Treasury Department:—			
Costs: Taxes	3,702 69		
Assessments	170 50		
Certificates Tax Liens	306 00		
Redemption Certificates	7 00		
Collecting National Bank Tax	33 87		
Telephone, J. S. Pike	12 00		
			4,232 06
City Clerk's Department:—			
Dog License Fees	\$297 20		
Recording Mortgages	656 85		
Copies of Records	181 10		
All other	63 50		
			1,198 65
Engineering Department, Plans			80 00
Police Department:—			
Cloth and Equipment	593 12		
Charles A. Kendall	6 34		
			599 46
Police Buildings, Maintenance:—			
Rent from County			1,000 00
Fire Department:—			
Fines, callmen	438 00		
Sale of old material	90 83		
Sale of horses, P. Hurley	237 50		
Sale of horses, City Department	900 00		
Damage to auto, Boston Elevated	23 30		
			1,689 63
Weights and Measures Department:—			
Fees			511 50
Health Department:—			
Commonwealth of Massachusetts	214 71		
Cities and Towns	30 00		
Sale of horse	100 00		
			344 71
Inspection of Milk and Vinegar:—			
H. E. Bowman	17 00		
Sundry Persons	270 60		
			287 60
Contagious Hospital, Commonwealth of Massachusetts:—			
State Board of Charity	1,905 79		
Trustees for Consumptives	2,271 47		
County of Middlesex	16 22		
Cities and towns	6,902 93		
Individuals	2,590 13		
Poor Department, Miscellaneous	51 43		
			13,737 97
Highways, Refuse Disposal:—			
D. DeStefano, use of incinerator	\$425 00		
City Home	292 90		
Individuals	8,572 60		
Sale of manure	50 00		
			9,340 50
Highways Maintenance:—			
Sundry Persons, Driveways	621 46		
Amounts carried forward	\$621 46	\$124,839 88	

Amounts brought forward	\$621 46	\$124,839 88
Sundry Persons, labor and material	316 58	
Charles A. Kelley, use of steam roller.	172 29	
Materials	3 38	
	<hr/>	1,113 71
Sidewalks Maintenance:—		
Sundry persons, repairs of sidewalks		81 95
Street Sprinkling:—		
Assessed in taxes	35,526 00	
Abutters, Sundry streets (private)	38 00	
Sale of carts	560 00	
	<hr/>	36,124 00
Maintenance Highway Buildings, rent of tenements:—		
Arthur Murley	120 00	
Thomas Ormand	120 00	
	<hr/>	240 00
Poor Department, Miscellaneous:—		
Cities and Towns	4,066 81	
Commonwealth of Massachusetts	2,077 14	
Mothers with dependent children— (Commonwealth)	3,668 73	
Mothers with dependent children— (Cities and Towns)	1,505 27	
	<hr/>	11,317 95
Poor Department, City Home:—		
J. F. Colquhoun, produce	3,521 17	
Cities and towns, board	330 57	
Individuals, board	468 70	
Contagious Hospital, milk	238 10	
City of Cambridge, plants	1 50	
Ames Implement and Seed Company	13 24	
	<hr/>	4,573 28
Soldiers' Benefits:—		
Soldiers' Relief, Town of Norwell		72 00
Commonwealth of Massachusetts:—		
Military Aid	192 00	
State Aid	14,420 00	
Soldiers' Burials	600 00	
	<hr/>	
Cash, advanced in 1914		15,212 00
School Contingent, Aid to Industrial Schools:—		
Boys' Vocational	\$3,171 50	
Girls' Vocational	3,780 04	
Evening, practical arts	446 01	
Tuition, Boston Evening	102 52	
	<hr/>	7,499 56
State Board of Charity, Tuition state wards	260 50	
Cities and towns, tuition	926 88	
Individuals, tuition	71 62	
Charles S. Clark, books, damages, etc.	210 52	
	<hr/>	8,969 08
Maintenance School Buildings:—		
Collection, rent	30 75	
Damages	3 75	
Materials sold	2 95	
	<hr/>	
Amounts carried forward	\$37 45	\$202,543 85

Amounts brought forward	\$37 45		\$202,543 85
Teaming	5 00		
		42 45	
Walter T. Littlefield, rent of High School Hall	867 70		
Telephones, etc.	74 69		
		942 39	
			984 84
Libraries:—			
Fines			1,293 18
Shower Baths:—			
Bennett School	31 47		
Lincoln Park	35 45		
			66 92
Somerville Field:—			
Noble & Greenough School	51 00		
Somerville Baseball Club	5 00		
			56 00
Maintenance Bathhouse			691 48
Miscellaneous:—			
Edison Electric Illuminating Company	500 00		
Overplus on Tax Sales	118 13		
Sundry persons	492 45		
			1,110 58
Water Maintenance:—			
Sundry persons, pipe fittings, etc.			3,433 82
Water Service Assessments:—			
Sundry persons, water services			4,223 54
Water Works Income:—			
Sundry water takers	213,313 94		
Metered Charges, 4th quarter, 1914	20,879 30		
		\$234,193 24	
Less refunds	205 26		
Less abatements, 1914 metered charges	40 47		
		\$245 73	
			233,947 51
			\$448,351 72
*Revenue received in cash	377,283 87		
Street Sprinkling Assessments (in taxes)	35,526 00		
Commonwealth of Massachusetts:—			
Military Aid	192 00		
State Aid	14,420 00		
Soldiers' Burials	600 00		
Metered Water Charges, 1914, fourth quarter, district 1	20,879 30		
		448,901 17	
Cash Refunds:—			
National Bank Tax	303 72		
Water Refunds	205 26		
		508 98	
Abatements:—			
Metered Water Charges, 1913, fourth quarter district (1)	40 47	549 45	
			\$448,351 72

Revenue for Outlays:—

Revenue paid in advance for rental of Incinerator and proceeds used for outlays in improving incinerator building. This amount credit direct to the appropriation account without going through the Revenue account	\$3,100 00
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*In cash account, reduced by refund \$508 98

TABLE F.—GENERAL ACCOUNTS AND BALANCES.**Cash****Receipts.**

Balance from 1913		\$133,743 46
Revenue for expenses (See Table E)	\$376,774 89	
Revenue for outlays (See Table E)		
Incinerator Building	3,100 00	
Gifts for Outlays: Carnegie Corporation:—		
Public Library Construction	5,000 00	
Taxes, 1910	2 00	
1911	37 82	
1912	150 52	
1913	278,814 50	
1914	1,318,665 78	
Metered Water Charges	19,594 17	
Highway Betterment Assessments	12,230 40	
Sidewalk Assessments	16,245 30	
Sewer Assessments	1,873 10	
Commonwealth of Massachusetts:—		
25 per cent. liquor licenses	\$7 25	
Due for advances of 1913	15,893 00	
		15,900 25
Temporary Loans	1,040,000 00	
Grade Crossings. cash advances	80,778 15	
Redemption of Tax Liens	745 74	
Funded Debt, bonds issued in April	145,000 00	
Reduction of Funded Debt, premium on bonds	1,724 05	
Trust Funds, From principal of Martha R. Hunt Fund, Art	1,000 00	
Trust Funds, Income:—		
Public Library:—		
Isaac Pitman Fund, Art	160 00	
Isaac Pitman Fund, Poetry	40 00	
Martha R. Hunt Fund, Art	342 39	
Martha R. Hunt Fund, Books	494 77	
S. Newton Cutler Fund	40 00	
Public School:—		
S. Newton Cutler Fund	200 00	
		\$3,318,913 83
Credits to Appropriation Accounts:—		
Offsets to Outlays (See Table D)	1,192 98	
Refunds:—		
Revenue accounts (See Table E)	\$508 98	
Maintenance Accounts (See Table D)	1,210 90	
Amounts carried forward	\$1,719,88	\$3,320,106 81
		\$133,743 46

Amounts brought forward.	\$1,719,88	\$3,320,106 81	\$133,743 46
Funded accounts (See Table D)	1,148 37		
Overlay and Abatement,			
1913	99 00		
1914	32 37		
Grade Crossings	5 00		
		3,004 62	
			\$3,323,111 43
Service Transfers (See Table C)			\$3,456,854 89
			.36,239 12
			\$3,493,094 01

Payments.

General Government:—

Board of Aldermen Expenses	\$870 38	
Clerk of Committees and Departments	4,010 29	
Executive Department	4,431 24	
Auditing Department	1,430 01	
Treasury Department	14,644 56	
Assessors' Department	11,483 38	
City Clerk's Department	6,932 82	
Law Department	2,396 94	
City Messenger's Department	1,855 72	
Engineering Department	11,499 59	
Commissioner Public Buildings	4,441 69	
Maintenance Municipal Buildings	8,522 74	
Certification of Notes and Bonds	450 00	
Registration of City Laborers	304 08	
Election Expenses, City Clerk	1,679 80	
Registrars of Voters	2,301 98	
Pay of Election Officers	3,264 00	
Polling Places	857 09	
		\$81,376 31

Protection Persons and Property:—

Police Department	108,495 16	
Maintenance Police Buildings	2,812 61	
Fire Department	108,184 22	
Maintenance Fire Buildings	8,280 62	
Militia	500 00	
Weights and Measures Department	2,523 10	
Electrical Department	9,482 86	
Gypsy and Brown-tail Moth Extermination	2,000 00	
Elm-leaf Beetle Extermination	692 90	
Care of Trees	3,141 29	
		246,112 76

Health and Sanitation:—

Health Department	15,390 24	
Inspection of Animals and Provisions	1,231 15	
Inspection of Milk and Vinegar	2,326 97	
Inspection of School Children	2,306 37	
Vital Statistics	999 40	
Contagious Hospital	21,777 24	
Maintenance Contagious Hospital	3,961 09	

Amounts carried forward . . . \$47,992 46 \$327,489 07

Amounts brought forward	\$47,992 46	\$327,489 07
Sewers Maintenance	14,002 44	
Maintenance Sewer Buildings	67 95	
Refuse Disposal	92,924 60	
Maintenance Refuse Buildings	1,053 32	
Street Cleaning	22,251 14	
	<hr/>	178,291 91
Highways :—		
Highways Maintenance	29,243 96	
Sidewalks Maintenance	4,230 12	
Street Sprinkling	28,043 71	
Street Lighting	58,000 00	
Maintenance Highway Buildings	654 51	
	<hr/>	120,172 30
Charities :—		
Poor Department, Miscellaneous	35,562 68	
Poor Department, City Home	11,198 05	
Maintenance City Home Buildings	3,206 17	
Somerville Hospital	5,000 00	
	<hr/>	54,966 90
Soldiers' Benefits :—		
Soldiers' Relief	21,189 83	
Military Aid	384 00	
State Aid	14,420 00	
Soldiers' Burials	600 00	
	<hr/>	36,593 83
Education :—		
School Contingent	34,075 13	
School Teachers' Salaries	339,954 14	
Maintenance School Buildings	96,302 77	
	<hr/>	470,332 04
Libraries :—		
Central Library	24,699 09	
Maintenance Central Library Building	4,193 22	
West Somerville Branch Library	6,498 74	
Maintenance West Somerville Branch Library Building	1,458 56	
East Somerville Branch Library	2,799 59	
Maintenance East Somerville Branch Library Building	612 53	
Union Square Branch Library	3,100 00	
Maintenance Union Square Branch Library Building	980 10	
	<hr/>	44,341 83
Recreation :—		
Parks Maintenance	9,975 00	
Maintenance Park Buildings	937 04	
Playgrounds Maintenance	3,299 96	
Summer Playgrounds	1,999 63	
Maintenance Bathhouse	2,587 80	
Independence Day	500 00	
	<hr/>	19,299 43
Unclassified :—		
Memorial Day	425 00	
Municipal Documents	1,570 48	
Contingent Fund	73 11	
	<hr/>	
Amounts carried forward	\$2,068 59	\$1,251,487 31

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 51

Amounts brought forward . . .	\$2,068 59	\$1,251,487 31
City Planning Board	215 54	
Workmen's Compensation . . .	440 09	
		2,724 22
Municipal Indebtedness:—		
Interest	\$76,312 25	
Reduction of Funded Debt	197,000 00	
		273,312 25
Water Works:—		
Water Maintenance	44,548 51	
Water Works Extension	17,289 71	
Metropolitan Water Assessment . .	109,999 13	
Maintenance Water Buildings . . .	780 08	
Water Bonds	6,000 00	
Water Loan Interest	1,260 00	
		179,877 43
Funded Accounts:—		
City Hall Annex Remodeling	3,500 00	
New Cells, Police Station	3,999 93	
Fire Department, Additional Apparatus	18,928 00	
Electrical Department, Underground		
Construction	3,260 87	
Sewers Construction	9,898 30	
Incinerator Addition (from revenue in		
advance)	3,100 00	
Highways Construction	66 60	
Highways Construction, New Streets .	37,412 93	
Highways Construction, Permanent Pave-		
ment	56,227 61	
Highways Construction, Macadam Pave-		
ment	33,021 81	
Sidewalks Construction	40,586 64	
High School Addition	13,756 31	
High School Addition, Furnishing and		
Equipment	2,916 38	
Central Heating Plant	12,140 07	
Public Library Construction	9,407 61	
Playgrounds Extension	676 46	
		248,899 52
Public Trust Funds:—		
Public School Trust Funds, Income . .	85 50	
Public Library Trust Funds, Income:—		
Isaac Pitman Fund, Art	131 30	
Isaac Pitman Fund, Poetry	22 84	
Martha R. Hunt, Fund, Art	350 00	
Martha R. Hunt, Fund, Books	449 14	
Frances A. Wilder Children's Depart-		
ment	13 67	
S. Newton Cutler Fund	10 59	
Martha R. Hunt Fund, Art	297 23	
		1,360 27
Private Trust Funds:—		
Overplus on Tax Sales	118 13	
Sundry Persons	492 45	
		610 58
Amount carried forward		\$1,958,271 58

Amount brought forward		\$1,958,271 58
Redemption of Tax Liens		745 74
Commonwealth of Massachusetts	273,871 54	
Commonwealth of Massachusetts, liquor licenses	7 25	
County of Middlesex	75,576 51	
Temporary Loans, Taxes	925,000 00	
Temporary Loans, Grade Crossings	75,000 00	
Grade Crossings	36,357 25	
		<hr/>
		1,385,812 55
Refunds (See Cash Receipts)		3,004 62
Service Transfers (Table C)		36,239 12
		<hr/>
		\$3,384,073 61
Balance to debit of account, 1915		109,020 40
		<hr/>
		<u>\$3,493,094 01</u>

Taxes.

CREDIT.

Receipts:—

For taxes of 1910	\$2 00
For taxes of 1911	37 82
For taxes of 1912	150 52
*For taxes of 1913	278,913 50
†For taxes of 1914	1,318,698 15
	<hr/>
	\$1,597,801 99

Overlay and Abatement:—

Abatement on taxes of 1911	\$125 10
Abatement on taxes of 1912	713 09
Abatement on taxes of 1913	7,940 13
Abatement on taxes of 1914	9,426 15
	<hr/>
	18,204 47

Balance to debit of account, 1915:—

Being uncollected taxes of 1912	\$56 00
Being uncollected taxes of 1913	1,029 52
Being uncollected taxes of 1914	342,983 21
	<hr/>
	344,068 73
	<hr/>
	\$1,960,075 19

DEBIT.

Balance from 1913	\$288,967 68
Tax levy, as per assessors' warrant of August 7, 1914	1,667,144 28
Supplementary Warrants, amounts cred- ited to Overlay and Abatement, 1914 Account	3,963 23
	<hr/>
	<u>\$1,960,075 19</u>

Overlay and Abatement, 1912 and Prior Years.

CREDIT.

Balance from 1913	\$5,134 33
Excess and Deficiency account, amount transferred	4,200 00
	<hr/>
	\$934 33

*In cash, account reduced by refunds \$99.00.

†\$32.37

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 53

Balance to credit of account, 1915	96 14
	<hr/>
	\$838 19

DEBIT.

Taxes, amount of abatements	\$838 19
	<hr/>

Overlay and Abatement, 1913.

CREDIT.

Balance from 1913	\$17,546 81
Excess and Deficiency account, amount transferred	3,000 00
	<hr/>
	\$14,546 81
Balance to credit of account, 1915	6,507 68
	<hr/>
	\$8,039 13

DEBIT.

Taxes, amount of abatements	\$7,940 13
Cash, paid sundry persons, money re- funded	99 00
	<hr/>
	\$8,039 13

Overlay and Abatement, 1914.

CREDIT.

Taxes, amount of overlay from assessors' warrant	\$15,992 37
Amount of assessors' supplementary warrants, 1914 .	3,963 23
	<hr/>
	\$19,955 60
Balance to credit of account, 1915	10,497 08
	<hr/>
	\$9,458.52

DEBIT.

Taxes, amount of abatements	\$9,426 15
Cash, paid sundry persons, money re- funded	32 37
	<hr/>
	\$9,458 52

Revenue.

CREDIT.

Revenue (See Table E)	\$448,351 72
Excess and Deficiency, balance to credit of account	15,486 48
	<hr/>
	\$432,865 24
Appropriated in Budget	\$432,865 24
	<hr/>

Metered Water Charges.

CREDIT.

Cash, received of sundry water takers	\$19,594 17
Water Works Income, abatements (See Revenue, Table E)	40 47
	<hr/>
	\$19,634 64
Balance to debit of account, 1915	20,879 30
	<hr/>
	\$40,513 94

DEBIT.

Balance from 1913	\$19,634 64	
Last quarter, district No. 1, uncollected	20,879 30	
		<u>\$40,513 94</u>

Highway Betterment Assessments.

CREDIT.

Cash received of sundry persons	\$12,230 40	
Balance to debit of account, 1915	10,833 60	
		<u>\$23,064 00</u>

DEBIT.

Balance from 1913	\$4,949 32	
Highways Construction, New Streets account, assessments levied	18,114 68	
		<u>\$23,064 00</u>

Sidewalk Assessments.

CREDIT.

Receipts:—		
Cash, received of sundry persons	\$16,245 30	
Balance to debit of account, 1915	17,011 22	
		<u>\$33,256 52</u>

DEBIT.

Balance from 1913	\$13,492 98	
Sidewalks Construction account, assessments levied	19,763 54	
		<u>\$33,256 52</u>

Sewer Assessments.

CREDIT.

Cash, received of sundry persons	\$1,873 10	
Balance to debit of account, 1915	2,874 98	
		<u>\$4,748 08</u>

DEBIT.

Balance from 1913	\$1,969 05	
Sewers Construction account, assessments levied	2,779 03	
		<u>\$4,748 08</u>

Commonwealth of Massachusetts.**State Tax and Assessments.**

State Tax	\$137,812 50	
Metropolitan Sewer Assessment:—		
Sinking Fund	\$12,352 71	
Serial Bond Requirements	1,299 00	
Interest	27,837 86	
Maintenance and Operation	30,948 03	
		<u>72,437 60</u>
Metropolitan Park Assessment:—		
Sinking Fund	\$2,793 02	
Serial Bond Requirements	266 01	
		<u>\$3,059 03</u>
Amount carried forward	\$3,059 03	

Amount brought forward	\$3,059 03	
Interest	13,645 76	
Maintenance and Operation	20,537 40	
	<hr/>	37,242 19
Wellington Bridge Assessment		648 06
Charles River Basin Assessment:—		
Serial Bond Requirements	\$170 82	
Interest	2,775 13	
Maintenance and Operation	3,692 21	
	<hr/>	6,638 16
Alewife Brook Assessment:—		
Assessment	\$818 39	
Interest	504 90	
	<hr/>	1,323 29
Abatement of Smoke		285 51
Metropolitan Water Assessment:—		
Sinking Fund	\$14,190 98	
Serial Bond Requirements	180 63	
Interest	73,138 81	
Maintenance and Operation	22,488 71	
	<hr/>	*109,999 13
State Highway Tax		380 99
Grade Crossings Assessment:—		
Assessment	\$12,136 10	
Interest	3,112 32	
	<hr/>	15,248 42
Tax on Non-resident Bank Shares		1,854 82
		<hr/>
		\$383,870 67
Cash Paid		<u>\$383,870 67</u>

*In cash account reported under Water Works.

Soldiers' Benefits.

Military Aid, 1913	\$224 50	
State Aid, 1913	15,033 50	
Soldiers' Burials, 1913	635 00	
	<hr/>	\$15,893 00
Military Aid, 1914	\$192 00	
State Aid, 1914	14,420 00	
Solders' Burials, 1914	600 00	
	<hr/>	15,212 00
		<hr/>
		\$31,105 00
Cash received		15,893 00
		<hr/>
		<u>\$15,212 00</u>

Liquor License Fees.

25 per cent. of liquor license fees	\$7 25
Cash paid	<u>\$7 25</u>

County of Middlesex.

CREDIT.

Taxes, 1914, county tax	\$75,576 51
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DEBIT.

(Expenditures.)

Cash, paid county tax	<u>\$75,576 51</u>
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Temporary Loans.**In Anticipation of Taxes.**

Balance from 1913		\$350,000 00
Cash, borrowed by authority of the Board of Aldermen on notes as follows:—		
City Notes Nos. 215-221, 256 days, 3¼ per cent.	\$100,000 00	
City Notes Nos. 222-230, 242 days, 3.29 per cent.	100,000 00	
City Notes Nos. 231-232, 243 days, 3.27 per cent.	35,000 00	
City Notes Nos. 233-234, 240 days, 3.27 per cent.	65,000 00	
City Notes Nos. 235-236, 236 days, 3.27 per cent.	50,000 00	
City Notes Nos. 237-239, 240 days, 3.29 per cent.	50,000 00	
City Notes Nos. 240-243, 223 days, 3.29 per cent.	100,000 00	
City Notes Nos. 244-249, 235 days, 3.29 per cent.	75,000 00	
City Notes Nos. 250-253, 345 days, 3½ per cent.	100,000 00	
City Note No. 254, 311 days, 3¼ per cent.	50,000 00	
City Note No. 255, 341 days, 3¼ per cent.	50,000 00	
City Notes Nos. 256-268, 336 days, 3¾ per cent.	150,000 00	
City Note No. 269, 247 days, 5⅛ per cent.	15,000 00	
City Notes Nos. 270-273, 129 days, 4.03 per cent.	50,000 00	
City Notes Nos. 274-276, 241 days, 4.08 per cent.	25,000 00	
City Notes Nos. 277-279, 95 days, 3.60 per cent.	25,000 00	
	<hr/>	1,040,000 00
		<hr/>
		\$1,390,000 00

DEBIT.**(Expenditures.)**

Cash, paid as follows:—

City Notes Nos. 189-211	\$240,000 00
City Notes Nos. 212-213	50,000 00
City Note No. 214	60,000 00
City Notes Nos. 222-236	250,000 00
City Notes Nos. 240-243	100,000 00
City Notes Nos. 215-221	100,000 00
City Notes Nos. 237-239	50,000 00
City Notes Nos. 244-249	75,000 00
	<hr/>
	\$925,000 00
Balance to credit of account, 1915	465,000 00
	<hr/>
	<hr/>
	\$1,390,000 00

Abolition of Grade Crossings.**CREDIT.**

Balance from 1913	\$75,000 00
Cash, paid Notes Nos. 22 to 26	\$75,000 00
	<hr/>

Grade Crossings.

CREDIT.

Receipts:—

Decree on Auditor's Sixth Report, Certain Grade Crossings:—

Commonwealth of Massachusetts	\$1,506 99	
Boston & Maine Railroad	2,265 55	
Boston Elevated Railway Co.	837 22	
	<hr/>	\$4,609 76

Decree on Auditor's Seventh Report, Certain Grade Crossings:

Commonwealth of Massachusetts		44,379 83
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To correct Eighth Report:—

Boston & Maine Railroad		638 11
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Decree on Auditor's Ninth Report:—

Somerville Avenue:—

Commonwealth of Massachusetts	\$660 00	
Boston Elevated Railway Company	390 00	
Boston & Albany Railroad	150 00	
Boston & Maine Railroad Company	1,800 00	

Medford & Dane Streets:—

Commonwealth of Massachusetts	11,310 99	
Boston & Maine Railroad	15,218 51	
	<hr/>	29,529 50

Decree on Auditor's Tenth Report:—

Webster Avenue:—

Commonwealth of Massachusetts	\$506 70	
Boston Elevated Railway Company	281 50	

Medford Street and elsewhere:

Boston & Maine Railroad	832 75	
	<hr/>	1,620 95

\$80,778 15

Balance to debit of account, 19154,192 71

\$84,970 86

DEBIT.

(Expenditures.)

Balance from 1913 \$48,613 61

Cash, paid Boston & Maine Railroad,

Overpaid on auditor's seventh report \$5 00

Edward A. Binney, appraising property
and attendance at court60 00

Bridget M. Casey, settlement3,000 00

J. E. Conant & Co., expert services275 00

Emily H. Doherty, court stenography53 80

John J. Falvey, services10 00

Cora I. Guild, settlement4,500 00

Albert S. Holly, services as expert5 00

Alfred H. Hines, services as expert35 00

Harry Van Iderstine, services as expert
.50 00

Frederick E. Jones, survey, plan, etc.15 00

Walter T. Littlefield, services as expert
.95 00

Amounts carried forward \$8,103 80

\$48,613 61

Amounts brought forward	\$8,103 80	\$48,613 61
Lockwood, Green & Co., services as expert	300 00	
J. Edward L. McLean, services as expert	473 45	
William A. Mullen, examination of property and testimony in court	35 00	
John C. McGirr, settlement	950 00	
North Packing and Provision Co., settlement	26,500 00	
	<hr/>	
	\$36,362 25	
*Refund: Boston & Maine Railroad, to correct over-payment	5 00	
	<hr/>	
		36,357 25
		<hr/>
		\$84,970 86
		<hr/>

*Cash

Redemption of Tax Liens.

CREDIT.

Receipts:—

Cash, received of sundry persons, redemption of tax liens	\$745 74
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DEBIT.

(Expenditures.)

Cash, paid sundry persons, redemption of tax liens	\$745 74
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Overplus on Tax Sales.

CREDIT.

Balance from 1913	\$118 13
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DEBIT.

(Expenditures.)

Cash, paid miscellaneous revenue account, amount authorized by an order from the Board of Aldermen	\$118 13
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Sundry Persons.

CREDIT.

Balance from 1913	\$619 56
Balance to credit of account, 1915	127 11
	<hr/>
	\$492 45

DEBIT.

(Expenditures.)

Cash, paid miscellaneous revenue account, amount authorized by an order of the Board of Aldermen	\$492 45
--	----------

Public Library, Trust Funds.

CREDIT.

Balance from 1913	\$21,414 58
Balance to credit of account, 1915	20,414 58
	<hr/>
	\$1,000 00

DEBIT.

Martha R. Hunt Fund, Art, withdrawn from principal of fund	\$1,000 00
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Public Library Trust Funds, Investment.

CREDIT.

Balance to debit of account, 1915	\$20,414 58
Martha R. Hunt, Art, withdrawn from principal of fund	1,000 00
	<u>\$21,414 58</u>

DEBIT.

Balance from 1913	<u>\$21,414 58</u>
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Public School Trust Funds.

CREDIT.

Balance from 1913	\$5,000 00
Balance to credit of account, 1915	5,000 00
	<u>5,000 00</u>

Public School Trust Funds, Investment.

CREDIT.

Balance to debit of account, 1915	\$5,000 00
Balance from 1913	5,000 00
	<u>5,000 00</u>

Public Property.

CREDIT.

Balance to debit of account, 1915	\$6,023,201 76
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DEBIT.

Property and Debt Balance, in- crease in 1914	\$45,295 94
Balance from 1913	5,977,905 82
	<u>\$6,023,201 76</u>

Funded Debt.

CREDIT.

Funded Debt, January 1, 1914	\$1,674,000 00
Issues of 1914:—	
Highway Loan Bonds, Nos. 1 to 125	\$125,000 00
Sewer Loan Bonds, Nos. 594 to 613	20,000 00
	<u>145,000 00</u>
	<u>\$1,819,000 00</u>

DEBIT.

Bonds maturing in 1914	\$203,000 00
Present funded debt, balance of ac- count	1,616,000 00
	<u>\$1,819,000 00</u>

Property and Debt Balance.

CREDIT.

Balance from 1913	\$4,303,905 82
Public Property, increase in 1914	45,295 94
Funded Debt, bonds maturing in 1914	203,000 00
	<u>\$4,552,201 76</u>

DEBIT.

Funded Debt, issues of 1914	\$145,000 00	
Balance to credit of account, 1915	4,407,201 76	
		<u>\$4,552,201 76</u>

Excess and Deficiency.

CREDIT.

Balance from 1913	\$7,772 09
Overlay and Abatement, 1912, and prior years account, amount transferred	4,200 00
Overlay and Abatement, 1913 account, amount transferred	3,000 00
	<u>\$14,972 09</u>

Balances of 1914 accounts:—

	DEBIT	CREDIT
Board of Aldermen Expenses		\$29 62
Clerk of Committees and Departments	\$10 29	
Executive Department		268 76
Auditing Department		19 99
Treasury Department		105 44
Assessors' Department		16 62
City Clerk's Department		67 18
Law Department		3 06
City Messenger's Department	55 72	
Engineering Department		41
Commissioner Public Buildings		58 31
Maintenance Municipal Buildings	2,022 74	
Registration City Laborers		20 92
Election Expenses, City Clerk		420 20
Registrars of Voters		98 02
Pay of Election Officers.		656 00
Polling Places	157 09	
Police Department		4 84
Maintenance Police Buildings		387 39
Fire Department		3,130 36
Maintenance Fire Buildings	2,295 20	
Weights and Measures Department		26 90
Electrical Department		17 14
Elm Leaf Beetle Extermination		7 10
Care of Trees		58 71
Health Department	2,010 70	
Inspection of Animals and Provisions		18 85
Inspection of Milk and Vinegar		23 03
Inspection of School Children		93 63
Vital Statistics		60
Contagious Hospital	277 24	
Maintenance Contagious Hospital	561 09	
Sewers Maintenance	2 44	
Maintenance Sewer Buildings		32 05
Refuse Disposal		75 40
Maintenance Refuse Buildings	53 32	
Street Cleaning	51 14	
Highways Maintenance		756 04
Sidewalks Maintenance	30 12	
Amounts carried forward	<u>\$7,527 09</u>	<u>\$6,396 57</u>

Amounts brought forward	\$7,527 09	\$6,396 57
Street Sprinkling	43 71	
Maintenance Highway Buildings		545 49
Poor Department, Miscellaneous	1,062 68	
Poor Department, City Home	198 05	
Maintenance City Home Buildings	156 27	
Soldiers' Relief	189 83	
Military Aid		16 00
State Aid		580 00
Soldiers' Burials		100 00
School Contingent	75 13	
School Teachers' Salaries		45 86
Maintenance School Buildings	18,344 14	
Central Library		91
Maintenance Central Library	793 22	
West Somerville Branch Library		1 26
Maintenance West Somerville Branch Library Building		241 44
East Somerville Branch Library		41
Maintenance East Somerville Branch- Library Building		37 47
Maintenance Union Square Branch- Library Building	80 10	
Maintenance Park Buildings	437 04	
Playgrounds Maintenance		04
Summer Playgrounds		37
Maintenance Bathhouse	506 26	
Municipal Documents		104 52
Contingent Fund		916 68
City Planning Board		34 46
Workmen's Compensation		4,559 91
Interest		687 75
Water Maintenance		161 78
Maintenance Water Buildings		219 92
Revenue		15,486 48
	<hr/>	
	\$29,413 52	
Balance to credit of account, 1915	15,695 89	
	<hr/>	
	\$45,109 41	\$45,109 41

Balances.

General Accounts.

Cash	\$109,020 40	
Taxes, 1912	56 00	
1913	1,029 52	
1914	342,983 21	
Metered Water Charges	20,879 30	
Overlay and Abatement, 1912 and prior years		\$96 14
Overlay and Abatement, 1913		6,507 68
1914		10,497 08
Highway Assessments	10,833 60	
Sidewalk Assessments	17,011 22	
Sewer Assessments	2,874 98	
	<hr/>	
Amounts carried forward	\$504,688 23	\$17,100 90

Amounts brought forward	\$504,688 23	\$17,100 90
Commonwealth of Massachusetts (advances)	15,212 00	
Temporary Loans:—		
In anticipation of Taxes		465,000 00
Grade Crossings (advances)	4,192 71	

Maintenance Accounts.

See Excess and Deficiency account preceding	15,695 89
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Non-Revenue Accounts.

See Credit Balances, Funded Debt Appropriations, in first part of report	23,241 21
Reduction of Funded Debt	1,724 05

Trust Funds.

Public School	5,000 00
Public School, Investment	5,000 00
Public Library	20,414 58
Public Library, Investment	20,414 58

Public Trust Funds.

(For Expenditures.)

See Public Trust Funds Income, first part of report	1,203 78
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Private Trust Funds.

Sundry Persons	127 11
	<hr/>
	\$549,507 52
	<hr/>
	\$549,507 52

TABLE G.—STATEMENT OF ACCOUNTS, SHOWING APPROPRIATIONS, EXPENDITURES, ETC., TO DECEMBER 31, 1914.

Appropriations.**CREDIT.**

Taxes, amount assessed for municipal purposes	\$1,266,177 86
From Estimated Revenue	432,865 24
	<hr/>
	\$1,699,043 10

DEBIT.

Appropriations:—

General Government.

Board of Aldermen Expenses	\$800 00
Clerk of Committees and Departments	4,000 00
Executive Department	4,800 00
Auditing Department	1,450 00
Treasury Department	14,750 00
Assessors' Department	11,500 00
Certification of Notes and Bonds	450 00
City Clerk's Department	7,000 00
	<hr/>
Amount carried forward	\$44,750 00

Amount brought forward . . .	\$44,750 00
Registration of City Laborers . . .	325 00
Law Department	2,400 00
City Messenger's Department . . .	1,800 00
Engineering Department	11,500 00
Commissioner of Public Buildings . .	4,500 00
Maintenance Municipal Buildings . .	6,500 00

Total General Government \$71,775 00

Election Expenses.

City Clerk	\$2,100 00
Registrars of Voters	2,400 00
Pay of Election Officers	3,920 00
Polling Places	700 00

Total Election Expenses \$9,120 00

Protection of Persons and Property.

Police Department	\$108,500 00
Maintenance Police Buildings . . .	3,200 00
Fire Department	111,800 00
Maintenance Fire Buildings	5,500 00
Militia	500 00
Weights and Measures Department . .	2,550 00
Electrical Department	9,500 00

Total Protection Persons and Property \$241,550 00

Forestry.

Gypsy and Brown-tail Moth Extermination	\$2,000 00
Elm-Leaf Beetle Extermination . . .	700 00
Care of Trees	2,500 00

Total Forestry \$5,200 00

Health and Sanitation.

Health:—

Health Department	\$11,000 00
Inspection of Animals and Provisions .	1,250 00
Inspection of Milk and Vinegar . . .	2,050 00
Inspection of School Children	2,400 00
City Clerk's Department, Vital Statistics	1,000 00
Contagious Hospital	16,800 00
Maintenance Contagious Hospital . .	3,400 00

Sanitation:—

Engineering Department, Sewers Maintenance	14,000 00
Maintenance Sewer Buildings	100 00
Highways, Refuse Disposal	86,200 00
Maintenance Refuse Buildings	1,000 00
Highways, Street Cleaning	22,000 00

Total Health and Sanitation \$161,200 00

Highways.

Highways Maintenance	\$33,400 00
Highways, Sidewalks Maintenance . .	4,000 00

Amounts carried forward \$37,400 00 \$488,845 00

Amounts brought forward . . .	\$37,400 00	\$488,845 00
Highways, Street Sprinkling . . .	28,000 00	
Street Lighting . . .	58,000 00	
Maintenance Highway Buildings . . .	1,200 00	

Total Highways		\$124,600 00
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Charities.

Support of Poor, Miscellaneous . . .	27,500 00	
Support of Poor, City Home . . .	11,000 00	
Maintenance City Home Buildings . . .	2,000 00	
Somerville Hospital	5,000 00	

Total Charities		\$45,500 00
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Soldiers' Benefits.

Soldiers' Relief	\$21,000 00	
Military Aid	400 00	
State Aid	15,000 00	
Soldiers' Burials	700 00	

Total Soldiers' Benefits		\$37,100 00
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Education.

School Contingent	\$34,000 00	
School Teachers' Salaries	340,000 00	
Maintenance School Buildings . . .	76,500 00	

Total Education		\$450,500 00
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Libraries.

Central Library	\$25,000 00	
Maintenance Central Library . . .	3,400 00	
West Somerville Branch Library . . .	6,500 00	
Maintenance West Somerville Branch Library	1,700 00	
East Somerville Branch Library . . .	2,800 00	
Maintenance East Somerville Branch Library	650 00	
Union Square Branch Library	2,800 00	
Maintenance Union Square Branch Library	900 00	

Total Libraries		\$43,750 00
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Recreation.

Engineering Department, Parks Maintenance	\$9,975 00	
Maintenance Park Buildings	500 00	
Engineering Department, Playgrounds Maintenance	3,300 00	
School Department, Summer Playgrounds	2,000 00	
Maintenance Bathhouse	2,000 00	

Total Recreation		\$17,775 00
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Celebrations.

Independence Day	500 00	
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Total Celebrations		\$500 00
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Amount carried forward		\$1,208,570 00
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Amount brought forward \$1,208,570 00

Unclassified.

Memorial Day	\$425 00
Municipal Document	1,675 00
Contingent Fund	5,000 00
City Planning Board	250 00
Workmen's Compensation	5,000 00

Total Unclassified \$12,350 00

Municipal Documents.

Interest	\$77,000 00
Reduction of Funded Debt	195,163 10

Total Municipal Indebtedness \$272,163 10

Water Works.

Water Maintenance	\$37,000 00
Interest	1,260 00
Reduction of Funded Debt, Water Loan Bonds	6,000 00
Metropolitan Water Assessment (estimated)	119,700 00
Water Works Extension	21,500 00
Maintenance Water Buildings	1,000 00

Total Water Works \$186,460 00

\$1,679,543 10

Amended by order approved July 24, 1914:—

Contingent account, amended to read	\$14,700 87
Metropolitan Water Assessment, amended to read	109,999 13

\$1,679,543 10

Contingent account, increased by the same amount (\$9,700 87) as Metropolitan Water Assessment is decreased.

Additional Appropriations.

Approved July 24, 1914.

Maintenance School Buildings (to be used for repairs of school buildings	\$5,000 00
Maintenance School Buildings, (to be used for maintenance of shower baths in Bennett School)	250 00

5,250 00

Contingent Fund

14,250 00

\$1,699,043 10

GENERAL GOVERNMENT.**Board of Aldermen Expenses.****CREDIT.**

Appropriation	\$800 00
Executive Department, amount transferred	100 00

\$900 00

Excess and Deficiency account, balance transferred .	29 02
	<hr/>
	\$870 38

DEBIT.

(Expenditures.)

Cash, paid Allen, Doane & Co., Inc., stamp pad	\$75
Bent & Bush Co., gavels	6 00
John F. Biggs & Co., printing registers	213 50
Bancroft Hotel, dinners	48 20
Thomas F. Callahan & Co., printing	15 00
Crawford House, dinners	15 65
George Coleman & Co., binding	6 75
James E. Downey, dinners	11 00
C. A. Eagleston, dinners	98 45
Frost & Dearborn Co., dinners	15 00
Thomas Groom & Co., stationery	21 06
Richard A. Keyes, automobile hire.	27 50
Howard Lowell & Son, carriage hire	5 00
Walter T. Littlefield, disbursements	14 25
Lombardy Inn Co., dinners	18 00
Mitchell Mfg. Co., badges	10 50
Oakland House, dinners	15 00
The Quincy, dinners	35 00
Relay House, dinners	57 55
Somerville Publishing Co., printing and advertising	18 31
Somerville Enterprise Publishing Co., printing and advertising	13 00
Somerville Journal Co., printing and advertising	58 23
Walter H. Snow & Co., catering	71 00
Suntaug Lake Inn, dinners	14 00
Somerville Post Office, postage	51 56
Union Square Hotel, meals	4 00
Ward's, stationery	6 12
	<hr/>
	\$870 38

Clerk of Committees and Departments.

CREDIT.

Appropriations	\$4,000 00
Excess and Deficiency account, balance transferred .	10 29
	<hr/>
	\$4,010 29

DEBIT.

(Expenditures.)

Cash, paid William P. Mitchell, salary as clerk of committees and departments	\$2,100 00
Richard A. Keyes, assistant	1,100 00
Lucia A. Manning, assistant	600 00
American Express Co., expressing	20
Thomas Groom & Co., stationery	29 16
Glines & Co., expressing	15
W. A. Greenough & Co., directory	4 00
Hoffman Seal E. & S. Co., stamp and pad	2 75
	<hr/>
Amount carried forward	\$3,836 26

Amount brought forward	\$3,836 26	
New Eng. Tel. & Tel. Co., service	59 13	
Remington Typewriter Co., supplies	3 50	
Standard Carbon & Ribbon Co., carbon paper	3 00	
Sampson & Murdock Co., directory	6 50	
Somerville Journal Co., printing	77 90	
Somerville Post Office, postage	24 00	
		<hr/>
		\$1,010 29

Executive Department.

CREDIT.

Appropriation	\$4,800 00	
Board of Aldermen Expenses account, amount transferred	100 00	
		<hr/>
	\$4,700 00	
Excess and Deficiency account, balance transferred	268 76	
		<hr/>
	\$4,431 24	

DEBIT.

(Expenditures.)

Cash, paid Zebedee E. Cliff, salary as mayor	\$2,500 00	
Fred E. Warren, secretary to the mayor	1,400 00	
American Express Co., expressing	21	
Allen, Doane & Co., stamp and pad	1 70	
Frost & Dearborn Co., dinners	61 15	
Glines Express Co., expressing	15	
W. A. Greenough & Co, directory	4 00	
John H. Gartland, palms and flowers	35 00	
Hill-Michie Co., automobile hire	12 00	
New Eng. Tel. & Tel. Co., service	62 91	
Relay House, dinners	27 70	
Sampson & Murdock Co., directory	6 50	
Somerville Enterprise Publishing Co., printing	43 00	
Somerville Journal Co., printing	46 15	
Somerville Post Office, postage	90 27	
Ward's stationery	127 90	
Union Square Hotel, dinners	9 00	
Underwood Typewriter Co., supplies	1 60	
		<hr/>
	\$4,429 24	
City Clerk's Department account, typewriter ribbons	2 00	
		<hr/>
	\$4,431 24	

Auditing Department.

CREDIT.

Appropriation	\$1,450 00	
Excess and Deficiency account, balance transferred	19 99	
		<hr/>
	\$1,430 01	

DEBIT.

(Expenditures.)

Cash, paid Clarence T. Bruce, salary as auditor	\$800 00
Baker Vawter Co., ledger leaves and binder	9 94
Thomas Groom & Co., pay roll sheets and warrants	112 09
Joseph S. Pike, services	150 00
Edwin L. Pride & Co., audit for 1913	350 00
Ward's stationery	7 98
	<hr/>
	\$1,430 01

Treasury Department.

CREDIT.

Appropriation	\$14,750 00
Excess and Deficiency account, balance transferred	105 44
	<hr/>
	\$14,644 56

DEBIT.

(Expenditures.)

Cash, paid Joseph S. Pike, salary as city treasurer	\$3,000 00
Disbursements	15 20
Expenses to convention at Milwaukee	97 00
Charles L. Ellis, salary as deputy collector of taxes	1,500 00
Disbursements	18 70
Beulah M. Peirce, first assistant	1,000 00
Louise B. McLaughlin, second assistant	750 00
Postage stamps	10 00
Florence M. Grow, third assistant	650 00
Marion C Kendall, fourth assistant	650 00
Winnifred P. Briggs, fifth assistant	575 00
Lilla A. Johnson, clerical services	469 50
May G. Canfield, clerical services	401 33
Lillian C. Scriven, clerical services	265 34
Alice M. Coleman, clerical services	228 01
Florence M. Shaw, clerical services	52 00
Beulah C. Church, clerical services	16 00
Helen S. Bowman, clerical services	20 00
Gertrude Stay, clerical services	16 00
Theodore H. Locke, services	6 00
Somerville National Bank, clearing house charges	8 34
American Surety Company of New York, bonds of treasurer and deputy collector	230 00
American Express Company, expressing	55
Andrews Paper Co., envelopes	43 32
Baker-Vawter Co., holder	5 79
Boston News Bureau, subscription	12 00
Burroughs Adding Machine Co., attention to adding machine and rolls of paper	11 55
	<hr/>
Amount carried forward	\$10,051 63

Amount brought forward	\$10,051 63
John F. Biggs & Co., printing tax bills etc.	292 00
A. W. Babbitt, check register	7 50
Carter's Ink Co., supplies	9 00
Cambridge Paper Box Co., wooden box	3 00
E. H. Fuller & Co., pads and ink	3 51
J. L. Fairbanks & Co., checks	65 47
Globe Stamp Works, stamps and re- pairing	6 45
W. A. Greenough & Co., directories	11 00
Thomas Groom & Co., stationery	366 38
F. R. Garrett, lunch	3 75
Globe-Wernicke Co., storage case	1 35
Gilman Express Co., expressing	25
Glines Express Co., expressing	1 55
Gridley Lunch Co., sandwiches	3 60
Gage Printing Co., printing	3 00
Otis A. Handy, blocking	6 90
Howard Lowell & Son, carriage hire	60 00
Thomas Leighton, Jr., recording	19 60
McGregor & Merrill, printing	47 07
A. G. Moore & Co., printing	6 00
Munson Supply Co., pneumatic type- writer keys	1 50
New Eng. Tel. & Tel. Co., service	124 73
National Association Comptrollers and Accounting Officers Association, mem- bership	10 00
Remington Typewriter Co., machines and supplies	598 50
Somerville Enterprise Publishing Co., advertising	5 00
Sampson & Murdock Co., directory	6 50
Charles A. Stewart, tax refunded	4 72
Somerville Publishing Co., printing	129 25
Somerville Journal Co., printing	555 43
Somerville Post Office, postage	2,024 75
C. A. Sawyer, lunch	3 11
Robert K. Slaughter, check writer	58 80
Standard Envelope Sealer Co., improve- ments	1 75
Turner & Co., envelopes	113 76
Union Publishing Co., directory	2 50
Winter Hill Press, printing	4 75
Ward's, ledger sheets	15 50
Yale & Towne Mfg. Co., cleaning and insuring time lock	15 00

\$14,644 56
Assessors' Department.

CREDIT.

Appropriation	\$11,500 00
Excess and Deficiency account, balance transferred	16 62
	<hr/>
	\$11,483 38

DEBIT.

(Expenditures.)

Cash, paid George E. Elliott, salary as chairman of the board of assessors	\$1,950 02
Nathan H. Reed, assessor	800 00
Winsor L. Snow, assessor	800 00
Harry Van Iderstine, assessor	800 00
J. Robert Fenelon, assessor	800 00
Fred B. Clapp, assistant assessor.	250 00
John F. Stackpole, assistant assessor	250 00
William H. Wallis, assistant assessor	250 00
James Wilson, assistant assessor	250 00
George I. Canfield, assistant assessor	250 00
John J. McCarthy, assistant assessor	250 00
Abbie D. Southworth, assistant	800 00
Disbursements	31 65
Mabel E. Hall, assistant	700 00
Disbursements	1 10
Lillian M. Hildred, assistant	503 37
Theodore H. Locke, street clerk	94 00
Leonard C. Spinney, street clerk	84 00
Rolla J. Butman, street clerk	100 00
Elmer E. Pease, street clerk	82 00
Edith Pearson, clerical services	224 02
Myrtie E. Turner, clerical services	212 03
Mary F. Derby, clerical services	208 02
Emily S. Taapken, clerical services	108 00
Lila D. Howes, clerical services	94 00
J. Madeline Coy, clerical services	68 66
Helen Abbott, clerical services	52 00
Marie A. Mooney, clerical services	32 67
Ethel Fitzmaurice, clerical services	27 34
E. Wentworth Prescott, clerical assistance	42 00
Auto List Publishing Co., subscription	10 00
American Express Co., expressing	21
Bank and Tradesman Review, subscription	5 00
Carter's Ink Co., ink	1 50
Financial Publishing Co., law book	6 00
Glines Express Co., expressing	50
W. A. Greenough & Co., directory	4 00
E. F. Hicks, luncheon	12 00
Library Bureau, metal case	32 00
New Eng. Tel. & Tel. Co., service	30 21
Somerville Enterprise Publishing Co., advertising	33 00
Somerville Post Office, postage	50 18
Somerville Publishing Co., printing	152 13
Somerville Journal Co., printing	760 30
Harry Van Iderstine, automobile hire	15 00
Ward's, stationery	251 28
	<hr/>
	\$11,478 19
Water Maintenance account, ice-coil and water tank	5 19
	<hr/>
	\$11,483 38

Law Department.

CREDIT.

Appropriation	\$2,400 00
Excess and Deficiency account, balance transferred	3 06
	<hr/>
	\$2,396 94

DEBIT.

(Expenditures.)

Cash, paid Frank W. Kaan, salary as city solicitor	\$2,100 00
Disbursements	174 24
James M. Harmon, salary as claim agent	22 04
Disbursements	1 25
Thomas Damery, salary as claim agent	77 96
Eugene A. Jones, expense of suit . .	15 00
John E. Miller, stenography . . .	6 45
	<hr/>
	2,396 94

City Messenger's Department.

CREDIT.

Appropriation	\$1,800 00
Excess and Deficiency account, balance transferred	55 72
	<hr/>
	\$1,855 72

DEBIT.

(Expenditures.)

Cash, paid Fred E. Hanley, salary as city messenger	\$1,300 00
Disbursements	21 40
Buick-Boston Co., repairing automobile	171 08
Bay State Tire Co., transferring automobile	10 00
Gray & Turner, insurance	30 00
B. F. Goodrich Co., cases	70 08
Hill-Michie Co., storage of car and supplies	254 93
B. W. Horsman, repairing automobile	31 30
H. W. Johns-Manville Co., gear . .	1 00
Timothy A. Murley, varnishing car .	7 50
New Eng. Tel. & Tel. Co., service . .	23 95
Marshall Street Garage, changing shoe	50
Underhill Hardware Co., tools . . .	1 80
	<hr/>
	\$1,923 54
Fire Department account, gasoline . .	30 68
Water Maintenance account, gasoline .	1 50
	<hr/>
	\$1,955 72
Refund: George H. Noone, damage to automobile	100 00
	<hr/>
	\$1,855 72

City Clerk's Department.

CREDIT.

Appropriation	\$7,000 00
Excess and Deficiency account, balance transferred	67 18
	<hr/>
	\$6,932 82

DEBIT.

(Expenditures.)

Cash, paid Frederic W Cook, salary as city clerk	\$2,851 20
Howard E. Wemyss, assistant city clerk	1,500 00
Clara B. Snow, first assistant	842 98
Edith A. Woodman, assistant	638 66
Agnes M. Fitzmaurice, stenographer and typist	626 50
Marguerite M. Scriven, stenographer and typist	613 50
Fannie A. Knapp, clerical services	276 00
Helen C. French, clerical services	1 66
Lillian C. Scriven, clerical services	67
Ethel G. Fitzmaurice, clerical services	67
Allen, Doane & Co., badges	16 04
American Express Co., expressing	50
American Multigraph Sales Co., type, etc.	8 32
American City Magazine, subscription	2 00
A. R. Andrews Co., typewriter ribbons	18 00
Robert Burlen, binding	12 00
T. H. Ball, forms	6 50
Carter's Ink Co., supplies	8 86
Columbia Graphophone Co., cylinders, etc.	5 40
George Coleman & Co., binding	7 75
John Donnelly & Sons, posting	29 50
Denison-Pratt Paper Co., Inc., paper	10 80
Gray & Turner, premiums on bonds	30 40
Joseph C. Greene & Co., brackets	2 98
Glines & Co., expressing	30
Gilman Express Co., expressing	15
W. A. Greenough & Co., directory	4 00
Thomas Groom & Co., book	11 75
Library Bureau, cards	17 21
New Eng. Tel. & Tel. Co., service	123 02
Renner's Express, expressing	25
Remington Typewriter Co., supplies	5 95
Somerville Journal Co., printing	19 40
Somerville Publishing Co., printing	30 00
Somerville Post Office, postage	131 36
Sampson & Murdock Co., directory	6 00
Somerville National Bank, tax stamps	5 00
A. Storrs & Bement Co., paper	4 05
Underwood Typewriting Co., machines and table	150 50
E. W. Woodley, printing	6 25
Whitney & Snow, supplies	50
Ward's, stationery	61 84

 \$8,088 42

*Service Transfers, from sundry accounts

1,155 60

 \$6,932 82

 *Includes \$450.00 for services, account of Election Expenses, City Clerk, and \$700.00 for services account of Registrars of Voters.

Engineering Department.

CREDIT.

Appropriation	\$11,500 00
Excess and Deficiency account, balance transferred	41
	<hr/>
	\$11,499 59

DEBIT.

(Expenditures.)

Cash, paid Ernest W. Bailey, salary as city engineer	\$3,000 00
Services on street construction	100 00
Part expenses, Good Roads Convention, Chicago	42 50
One-half registration of automobile	7 50
Engineer's assistants	7,714 53
Engineers' assistants, carfares	214 50
Andrews & Lynn, repairing curtain	2 00
Robert Burlen, binding	45 00
Boston Lodge, Order of Elks, expense public works committee	10 00
Boston Burial Case Co., stakes	9 50
L. E. Clayton, cotton cloth	2 63
Jackson Caldwell & Co., rubber and labor	3 50
Dimond-Union Stamp Works, type form	1 00
Fiske Rubber Co., cases and tubes	81 00
Frost & Adams Co., drawing supplies	19 56
Thomas Groom & Co., office supplies	33 54
Gilman Express Co., expressing	45
E. M. Green, repairing automobile	96 04
Hillman Automobile Supply Co., supplies	55 75
Harvard Vulcanizing Co., repairing tires	23 50
Knox Automobile Co., repairing automobile	217 13
Ledder & Probst, Inc., ink	3 71
Library Bureau, index cards	2 91
Lombardy Inn, dinners public works committee	17 10
B. L. Makepeace, blueprints	6 59
New Eng. Tel. & Tel. Co., service	86 26
Somerville Post Office, postage	11 25
Underhill Hardware Co., hardware	75
M. L. Vinal, blank book	25
Whitney & Snow, hardware	8 31
Wadsworth, Howland & Co., Inc. drawing supplies	14 33
Ward's, stationery	19 30

\$11,850 39

Water Maintenance account, gasoline 95 00

\$11,945 39

Service Transfers, from sundry accounts 445 80

\$11,499 59

Public Buildings Department, Commissioner of Public Buildings.

CREDIT.

Appropriation	\$4,500 00
Excess and Deficiency account, balance transferred	58 31
	<hr/>
	\$4,441 69

DEBIT.

(Expenditures.)

Cash, paid Walter T. Littlefield, salary as commissioner of public buildings . .	\$2,250 00
Florence Han, assistant to commissioner of public buildings	700 00
Evelyn Kelley, clerical services . . .	18 75
Duncan C. Greene, inspector of plumbing	1,200 00
A. R. Andrews Co., stationery	19 55
Thomas Groom & Co., stationery . . .	26 50
W. A. Greenough & Co., directory . . .	4 00
B. L. Makepeace, drawing materials . .	10 36
New Eng. Tel. & Tel. Co., service . . .	110 70
Somerville Journal Co., printing . . .	81 05
S. M. Spencer Mfg. Co., steel stamp . .	1 56
Sanborn Map Co., correcting map . . .	11 00
Somerville Post Office, postage . . .	1 50
Ward's, stationery	3 40
Yawman & Erbe Mfg. Co., filing tray and cards	9 32
	<hr/>
	\$4,447 69
Service Transfer, from Summer Playgrounds account	6 00
	<hr/>
	\$4,441 69

Public Buildings Department, Maintenance Municipal Buildings.

CREDIT.

Appropriation	\$6,500 00
Excess and Deficiency account, balance transferred	2,022 74
	<hr/>
	\$8,522 74

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$3,001 65
Labor	230 88
James H. Chase, pension	260 00
George A. Ayer, plumbing	47 29
Art Metal Construction Co., steel filing case, etc.	270 50
James Bartley, soap	15 06
Boston Finishing Co., electric fixtures	2 87
C. Bowen, moving safe	12 00
W. B. Brown & Co., plumbing	1 00
J. A. Bremner & Co., varnishing . . .	3 45
S. H. Couch Co., Inc., telephone work	1 55
	<hr/>
Amount carried forward	\$3,846 25

Amount brought forward	\$3,846 25
Cambridge Gas Light Co., gas	45 52
Cambridge Ice Co., ice	58 62
Jackson Caldwell Co., repairing chairs	20 90
Alice I. Crawford, typewriting	4 50
Carpenter-Morton Co., paints	4 00
Cudahy Packing Co., soap polish	7 50
C. W. Cahalan, plumbing	278 23
Derby Desk Co., iron parts for chair	1 00
James Duncan, reseating chairs	8 00
Edison Electric Illuminating Co., lighting	1,048 74
Fred W. Farrar, repairing clocks	10 50
Federal Graphite Mills, graphite	33 00
Joseph E. Greene Co., electrical supplies	70 34
Glines Express Co., expressing	14 72
Grimmons, Bailey-Weston Co., shades and fixtures	105 00
John Gannon & Co., painting	139 20
Haywood Bros. & Wakefield Co., chair	18 03
James Harper & Co., repairing chair	7 00
Wm. S. Howe Co., grate and shaker	2 15
J. J. Hurley & Co., repairing heating ap- paratus	6 20
Hemeon Bros., tearing down building	14 40
Hinckley Rendering Co., soap powder	11 80
James Hayden, carpentering	31 20
William Hall & Co., spring	50
George T. Johnson Co., toilet paper	11 50
H. W. Johns-Manville Co., pipe covering	1 62
Jordan Marsh Co., rug	29 25
Ideal Ventilator Co., ventilators	15 00
Leavis & Doherty, plumbing	4 00
B. L. Makepeace, blue prints	78
F. W. Merrill, electrical work	144 65
C. W. H. Moulton Co., brooms	7 50
Martin & Wood, keys	13 77
Geo. W. Manning, labor on flag pole	20 00
J. Edward L. McLean, carpentry	506 35
Walter T. March, repairing and up- holstery	4 75
Mosler Safe Co., safe	250 00
New Eng. Towel Supply Co., towels	123 00
J. T. Newton, electrical supplies	3 25
W. E. Plumer Co., hardware	1 75
Pittsburg Plate Glass Co., glass	9 57
Roberts Iron Works, re-tubing boiler	139 00
F. M. Rogers & Co., painting	270 00
Sullivan's Somerville Express, expressing	25
R. M. Sturtevant, moving goods from city hall annex	8 00
E. S. Sparrow & Co., hardware	8 45
Shepard Clark Co., floor brushes	10 50
Underhill Hardware Co., hardware	3 95
Waldo Bros., clay	75
White Cross Laundry, laundering	50
H. W. Waite & Co., dust layer	6 26
Amount carried forward	\$7,381 70

Amount brought forward	\$7,381 70
Whitney & Snow, hardware	35
George W. Wood, soap and matches . .	15 35
Wellington-Wild Coal Co., fuel	1,000 01
I. B. Walker, flag pole irons	1 50
Henry A. Wheeler Co., awnings	15 50
J. Williamson, reseating chairs	5 00
John M. Woods & Co., lumber	1 19
Yawman & Erbe Mfg. Co., filing cabinet	92 37

\$8,512 97

Water Maintenance account, coil for ice-tank

9 77

\$8,522 74

City Hall Annex Remodeling.

CREDIT.

Sewers Construction account, amount transferred . . . \$3,500 00

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$138 18
George A. Ayer, plumbing	7 63
Joseph E. Greene Co., electrical supplies	54 87
B. L. Makepeace, blue prints	89
J. E. L. McLean, on account of contract	3,182 44
F. W. Merrill, electrical work	115 99

\$3,500 00

Certification of Notes and Bonds.

CREDIT.

Appropriation \$450 00

DEBIT.

(Expenditures.)

Cash, paid Old Colony Trust Company, preparation and certification of notes and bonds \$450 00

Registration of City Laborers.

CREDIT.

Appropriation \$325 00
Excess and Deficiency account, balance transferred 20 92

\$304 08

DEBIT.

(Expenditures.)

Cash, paid Howard E. Wemyss, salary as registration clerk	\$300 00
Carter's Ink Co., ink	63
Ward's, stationery	3 45

\$304 08

Election Expenses, City Clerk.

CREDIT.

Appropriation \$2,100 00
Excess and Deficiency account, balance transferred 420 20

\$1,679 80

DEBIT.

(Expenditures.)

Cash, paid Boulevard Auto Co., car hire	\$180 50
Carter's Ink Co., ink	3 60
Cotton & Gould, crayons	11 63
John Donnelly & Sons, posting	28 00
J. H. Edwards, weights	1 50
Agnes M. Fitzmaurice, addressing	8 93
Gridley Lunch Co., lunch	5 78
Fannie A. Knapp, addressing	1 65
J. H. Kelley, repairing boxes	50 00
MacGregor & Merrill, printing	2 25
A. Storrs & Bement Co., paper	10 50
Marguerite M. Scriven, addressing	12 46
Somerville Post Office, postage	152 68
Somerville Journal Co., advertising	435 87
Somerville Publishing Co., Inc., printing	81 73
Somerville Enterprise Co., advertising	82 75
Edward W. Woodley, printing	23 00
Whitney & Snow, hardware	3 35
Ward's, stationery	36 22
Wright & Potter Printing Co., ballots and labels	97 40

\$1,229 80

City Clerk's Department account, clerical assistance	450 00
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\$1,679 80
Election Expenses, Registrars of Voters.

CREDIT.

Appropriation	\$2,400 00
Excess and Deficiency account, balance transferred	98 02

\$2,301 98

DEBIT.

(Expenditures.)

Cash, paid Edwin D. Sibley, salary as registrar	\$200 00
Douglas B. Foster, salary as registrar	200 00
Frederic W. Cook, salary as registrar	200 00
Charles L. Shea, salary as registrar	174 25
Charles P. Lincoln, salary as registrar	25 75
Clinton E. Bray, clerical services	42 00
John H. Kelley, clerical services	39 00
Fred E. Warren, clerical services	39 00
Howard E. Wemyss, clerical services	48 00
Allen, Doane & Co., stamps	4 80
Robert Burlen, binding	4 50
John Donnelly & Sons, posting	32 50
Gridley Lunch Co., lunch	15 00
Hill-Michie Co., car hire	27 50
Library Bureau, cards	3 09

Amount carried forward \$1,055 39

Amount brought forward	\$1,055 39	
Somerville Enterprise Publishing Co., advertising	38 25	
Somerville Post Office, postage	31 44	
Somerville Journal Co., printing	385 75	
Somerville Publishing Co., advertising	34 15	
Tufts College Press, printing	20 00	
Edward W. Woodley, printing	7 75	
Ward's, stationery	29 25	
	<hr/>	
	\$1,601 98	
City Clerk's Department, services of clerks	700 00	
	<hr/>	
		<u>\$2,301 98</u>

Election Expenses, Pay of Election Officers.

CREDIT.

Appropriation	\$3,920 00
Excess and Deficiency account, balance transferred	656 00
	<hr/>
	\$3,264 00

DEBIT.

(Expenditures.)

Cash, paid election officers	<u>\$3,264 00</u>
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Election Expenses, Polling Places.

(Public Buildings Department.)

CREDIT.

Appropriation	\$700 00
Excess and Deficiency account, balance transferred	157 09
	<hr/>
	\$857 09

DEBIT.

(Expenditures.)

Cash, paid for labor	\$191 83
C. Bowen, moving voting booth	70 00
Edison Electric Illuminating Co., tem- porary service	15 00
Philip Eberle, rent of hall	100 00
Joseph E. Greene Co., electrical sup- plies	13 02
Percy A. Hall, rent of hall	30 00
Joseph O. Hobbs, rent of auditorium	76 00
T. E. Littlefield, lumber	8 91
G. F. McKenna & Son., teaming	320 50
Martin & Wood, keys	60
J. T. Newton, electrical work	2 25
W. E. Plumer & Co., hardware	50
Arthur G. Pearson, rent of hall	20 00
E. S. Sparrow & Co., hardware	3 78
Underhill Hardware Co., hardware	70
Wellington-Wild Coal Co., fuel	4 00
	<hr/>
	<u>\$857 09</u>

PROTECTION OF PERSONS AND PROPERTY.**Police.**

CREDIT.

Appropriation	\$108,500 00
Excess and Deficiency account, balance transferred	4 84
	<hr/>
	\$108,495 16

DEBIT.

(Expenditures.)

Cash, paid Charles A. Kendall, chief	\$2,100 00
Robert R. Perry, captain	792 86
Eugene A. Carter, lieutenant	1,475 00
Charles E. Woodman, lieutenant	1,475 00
James M. Harmon, lieutenant	937 54
Thomas Damery, lieutenant	1,319 66
Michael T. Kennedy lieutenant ,	1,319 66
John A. Ray, lieutenant	1,361 08
Edward McGarr, sergeant	358 90
George H. Carleton, sergeant	308 66
James M. Harmon, sergeant	477 34
Patrolmen, salaries and extra duties	81,895 00
Drivers	3,240 35
Sundry persons, special patrolmen	231 70
Retired, half pay:—	
George W. Bean	547 50
Albion L. Staples	547 50
John E. Fuller	547 50
Ira S. Carleton	547 50
James J. Pollard	547 50
Melville C. Parkhurst	1,000 00
Herbert Hilton	574 87
Dennis Kelley	737 50
Ezra Dodge	481 98
George H. Carleton	500 67
Edward McGarr	475 55
Robert R. Perry	421 07
Katherine Wood, matron	36 26
Mina T. Weeks, substitute matron	576 99
American Towel Supply Co., rentals	55 20
American Storage Battery Co., recharging and repairs	21 98
American Water Supply Co., police cups	10 00
Allen Bros., repairs, badges, etc.	23 14
American Express Co., expressing	5 07
Atlantic Motor & Supply Co., supplies	70
W. H. Broderick, veterinary services	2 00
Henry Barrett, photos	23 00
Bostonian Laundry Co., washing	28 67
Louis J. Belzarini, disbursements	1 60
Bessie S. Buchanan, meals	34 75
	<hr/>
Amount carried forward	\$105,041 25

Amount brought forward	\$105,041 25
V. H. Blackenton & Co., police trim- mings	39 60
Boston Woven Hose & Rubber Co., hose, etc.	9 10
Thomas D. Bennett, harness and re- pairs	19 25
Boice, Perrine Co., battery repairs	45 05
Cunningham Grain Co., oats	44 45
Eugene A. Carter, disbursements	36 72
George E. Cook, badge	1 50
Jackson Caldwell & Co., mattresses	6 00
Henry F. Curtis, M. D., professional services	2 00
John L. Cameron, disbursements	17 30
Joseph A. Dwyer, committing prisoner	2 15
Edward J. Dailey, M. D., medical ser- vices	4 00
Thomas Damery, disbursements	40 75
Derby Desk Co., typewriter desk	22 00
George E. Damon Co., supplies	60
Davis Square Stables, use of saddle horse	3 00
Niels A. Dolleris & Son Co., motor cycle repairs	75
D. Evans & Co., buttons	64 00
Benjamin F. Freeman, photo	5 50
Fresh Pond Ice Co., ice	11 45
Frank H. Graves, committing prisoner	9 35
Gilman Express Co., expressing	2 85
Glines Express Co., expressing	50
W. A. Greenough, directory	12 00
Thomas Groom & Co., record book	50 52
O. B. Gilman, crackers	7 91
Hildreth & Freeman, repairs	4 75
Hill-Michie Co., rental, supplies and re- pairs	190 68
Henry S. Harris & Son., supplies	2 65
Theodore E. Heron, disbursements	8 95
George N. Holden, motor-cycle repairs	66 08
James M. Harmon, disbursements	7 39
Francis P. Higgins, committing prisoner	2 10
Jim Hodder, bedding	8 18
James Harper & Co., supplies	10 00
H. F. Hildreth, motor-cycle repairs and labor	15 85
Michael T. Kennedy, disbursements	107 82
Charles A. Kendall, rental P. O. box, disbursements	15 90
R. A. Keyes, rent of auto	7 50
John J. Killourhy, committing prisoner	4 15
Lord & Webster Co., hay and grain	60 46
Little, Brown & Co., Massachusetts re- ports	6 75
M. Linsky & Bros., supplies	133 68
Rose Lipp, chevrons	1 50
Amount carried forward	\$106,153 94

Amount brought forward	\$106,153 94
T. F. McGann & Sons Co., metal gong	7 50
Mary McEachern, meals	1 25
Martin & Wood, repairs and labor	2 15
Charles Malone, M. D., services	2 00
Motor Mart Garage, auto shoes	116 87
James T. Mulroy, committing prisoner	22 65
Peter Moore, reimbursement for uniform	7 20
New York Lubricating Co., oil	21 50
New England Telephone & Telegraph Co., rentals and tolls	234 03
Owl Supply Co., supplies	1 00
Daniel J. Powers, certificate and fares	1 10
Proctor Bros., grain and oats	38 06
Park Garage Co., towing car and storage	1 50
W. E. Plumer & Co., cord	20
A. H. Proctor, oats	35 15
Prest-o-Lite Co., tank	1 50
Frank J. Priest, auto hire	3 00
William H. Rinn, meals	17 80
John B. Rufer, repairs and clipping horse	225 06
Ira L. Roberts, horse shoeing	56 75
Rufer & Creamer, horse hire	74 00
John A. Ray, committing prisoner	4 10
Somerville Post Office, postage	24 06
Somerville Journal Co., printing	140 45
Standard Oil Co., of New York, tank, pumps, gasoline	115 50
S. Slater & Sons, Incorporated, police cloth	562 42
Standard Tire & Rubber Co., polish	75 17
Standard Auto Supply Co., lamp	10 25
R. M. Sturtevant, supplies	19 04
Frank Shepard Co., Massachusetts Annotations	4 00
Thor Motorcycle Co., supplies and labor	11 85
E. Teel & Co., repairs	1 00
The Texas Co., supplies	4 41
Underwood Typewriter Co., typewriter	91 25
The Union Spinning & Plating Co., repairs	2 00
The White Co., supplies, labor, postage, etc	134 77
Whitney & Snow, supplies	12 13
William J. Warner, committing prisoner	2 30
Wonder Mist Co., sprayer, etc.	2 00
	<hr/>
	\$108,240 91
Fire Department Account, gasoline	27 17
Highways Maintenance account, board of horse, horse-shoeing	296 50
City Clerk's Department account, typewriter ribbon	1 00
	<hr/>
Amount carried forward	\$108,565 58

Amount brought forward	\$108,565 58
Service Transfers, from sundry accounts	47 39
Refund: Walter L. Groves, error in payroll	23 03
	70 42

\$108,495 16

Public Buildings Department, Maintenance Police Building.

CREDIT.

Appropriation	\$3,200 00
Excess and Deficiency account, balance transferred	387 39
	<hr/>
	\$2,812 61

DEBIT.

(Expenditures.)

Cash, paid janitor's salaries	\$1,275 12
Labor	82 25
George A. Ayer, plumbing	10 78
Cambridge Gas-Light Co., gas	110 48
Jackson Caldwell & Co., repairs	27 50
James Duncan, reseating chairs	2 50
Edison Electric Illuminating Co., lighting	452 14
Gilman Express Co., service	15
Gurney Heater Manufacturing Co., grate	2 00
Glines Express Co., expressing	25
Hemeon Bros., carpentry	4 65
James Harper & Co., repairs	9 00
J. J. Hurley & Co., repairing heating apparatus	4 45
E. S. Kearney Co., sand and sawdust	2 50
Leavis & Doherty, plumbing	21 82
Martin & Wood, sharpening mower, electrical work	2 75
J. Edward McLean, carpentry	16 80
P. J. Mooney, plumbing	92 45
W. E. Plumer & Co., hardware	90
Pittsburgh Plate Glass Co., glass	3 27
Standard Charcoal Co., charcoal	6 00
H. W. Waite & Co., dust layer	18 78
Whitney & Snow, hardware	10 00
Wellington-Wild Coal Co., fuel	623 62
Asahel Wheeler Co., paints	20 85
Wearproof Mat Co., mat	10 80
	<hr/>
	\$2,811 81
Water Maintenance account, labor	80
	<hr/>

\$2,812 61

New Cells, Police Station.

Balance from 1913	\$4,046 81
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CREDIT.

Building Public Buildings account, balance transferred	46 88
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 \$3,999 93

DEBIT.

(Expenditures.)

Cash, paid for labor	\$41 25
P. E. Carrigan, installing extension	202 34
Ernest F. Flagg, erecting and painting metal ceiling	616 25
J. E. Locatelli Co., Incorporated, concrete work, labor and material	482 18
P. J. Mooney, plumbing	848 29
Martin & Wood, electrical work	78 03
Pittsburgh Plate Glass Co., glass	15 54
Shawmut Iron & Wire Works, payment on account installing new cells	1,716 00

 \$3,999 93
Fire Department.

CREDIT.

Appropriation	\$111,800 00
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Maintenance Fire Buildings account, balance transferred	485 42
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 \$111,314 58

Excess and Deficiency account, balance transferred	3,130 36
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 \$108,184 22

DEBIT.

(Expenditures.)

Cash, paid Sewall M. Rich, salary as chief engineer	\$2,000 00
Expenses attending convention of I. A. F. E. at New Orleans	149 78
disbursements	2 75
Edward W. Ring, assistant engineer	1,500 00
Joseph A. Cribby, assistant engineer	1,449 90
Permanent firemen and substitutes	82,540 46
Callmen:—	
Engine No. 4	925 04
Engine No. 6	400 00
Hose Co. No. 3	400 00
Hose No. 7	139 18
Ladder No. 1	1,145 60
Ladder No. 2	1,205 90
Ladder No. 3	1,355 84
Pensioners:—	
James R. Hopkins	1,200 00
Benjamin H. Pond	700 00
Arthur M. Gilman	650 00

 Amount carried forward \$95,764 45

Amount brought forward	\$95,764 45
Charles H. Bridges	100 00
William J. Blaisdell	100 00
Daniel R. Spike	100 00
John E. Hill	100 00
Thomas W. Joy	100 00
American Express Co., expressing	18 28
Ahrens-Fox Fire Engine Co., supplies, packing, etc.	70 35
Andrews Paper Co., paper	11 50
George A. Ayer, brooms	34 00
F. C. Ayer, lumber	43 35
Auto-Welding, repairs	1 00
American La-France Fire Co., valves, etc.	23 60
Acacia Plating & Refinish Co., repairs	2 50
American Tube Works, tubing	12 76
Boston Woven Hose & Rubber Co., hose repairs. hose	1,866 86
Bostonian Laundry Co., laundry	262 55
Brahman, Dow Co., brass fittings, valves, etc.	17 98
Charles A. Blethen, repairs	36 05
F. W. Barry, Beale & Co., books, dia- ries, etc.	82 00
Bi-Motor Equipment Co., bulbs	7 86
Boston Publishing Co., repairs	2 00
Thomas D. Bennett, repairs	2 85
Bartlett & Ellis, bulbs for battery	2 30
A. & E. Burton Co., dusters and brushes	20 51
Boston Wrench Co., wrenches	2 00
Charles E. Barry, repairs	75
Boston Nickel Plating Co., buttons	4 34
Charles D. Brown & Co., dull cote	1 50
W. D. Carpenter Co., nutritone	25 74
Cambridge Iron Works, repairs	14 01
Commonwealth of Mass., boiler in- spection	5 00
F. L. Card, flaxseed	72
Chandler & Farquhar Co., tools, chains, supplies, etc.	214 69
Cunningham Grain Co., oats and bran	890 72
F. E. Cheney Co., soap	35 40
Crescent Sales Co., chain	19 50
Commonwealth Oil Co., oil	5 76
Crosby-Steam Gauge & Valve Co., re- pairs	3 95
W. J. Connell Co., repairs	2 25
Cotter & Son, expressing	2 00
Cadillac Auto Co., parts and repairs	12 30
Cambridge Ice Co., ice	28 48
Cork Insert Co., lining	3 89
Clifton Mfg. Co., covers	188 16
Davenport-Brown Co, lumber and labor	12 15
Amount carried forward	<hr/> \$100,256 06

Amount brought forward	\$100,256 06
Julian D'Este Co., supplies and labor	21 48
Dayton Tire Co., repairs	77 16
Dyer Apparatus Co., carbon outfit	25 00
N. A. Dolleris & Son Co., charging	1 00
J. H. Edwards, shoeing	223 70
Eastern Drug Co., acid	23 77
F. E. Fitts Mfg. & Supply Co., waste, cheesecloth	81 51
Ernest F. Flagg, drip pans	75 00
Fellows & Co., repairs	38 73
Firestone Tire & Rubber Co., tire	49 55
Fresh Pond Ice Co., ice	39 26
Gilman Express Co., expressing	4 42
Glines Express Co., expressing	53 57
Thomas J. Gile, kerosene	97 66
Gulf Refining Co., gasoline	356 95
Thomas Groom & Co., books	9 55
W. A. Greenough & Co., directories	16 00
E. A. Gillett & Sons, ash	1 75
General Welding & Equipment Co. repairs	2 50
Goodyear Tire & Rubber Co., express	40
Gray & Davis, repairs	62 75
Grether Fire & Equipment Co., mask	5 00
Wm. S. Howe Co., repairs	4 02
Henry S. Harris & Son, repairs	5 50
Hill-Michie Co., tubing, oil, bulb, etc.	9 46
Hillman Co., repairs	5 25
S. D. Hicks & Son, repairing	4 10
J. S. F. Huddleston, hydrometer	1 50
Horton & Hubbard Mfg. Co., tool case	5 00
Hopkinson & Holden, pails	4 00
Inter-State Machine Co., shaft	2 75
Joy Mfg. Co., hook and links	4 50
E. S. Kearney, sawdust	2 75
J. A. Kiley, repairs and supplies	175 00
O. F. Kress & Son, repairs	125 00
T. E. Littlefield, lumber	15 99
Leousi Clonney & Co., sponges	80 26
Lord & Webster Co., hay and straw	1,791 46
George W. Ladd, shoeing	154 60
J. G. Lesure, medicine	8 00
W. E. Lackey, blank books	75
C. W. H. Moulton Co., shavings	23 60
Mathieson Alkali Works, soda	117 60
Malden Veterinary Hospital, opera- tion and board	50 00
Mass. Metal Polish Co., polish	17 00
Masury-Young Co., disinfectant	39 30
E. H. McDuffee Vulcan Co., repairs	1 50
Morgan Bond Co., bits	15 00
Mystic Rubber Co., repairs	4 65
Martin & Wood, sharpening	6 00
Marine Torch Co., searchlights	17 50
Amount carried forward	<u>\$104,214 81</u>

Amount brought forward	\$104,214 81
Massachusetts Commission for the Blind, mops	12 00
Mitchell Mfg. Co., badges	1 50
Niagara Searchlight Co., searchlight	10 08
N. E. Tel. & Tel. Co., service	149 58
George W. Norton, auto soap	53 51
Everett E. Onley, shoeing	205 45
Pope-Hartford Co., repairs	21 20
W. E. Plumer & Co., batteries	7 70
Paul Mfg. Co., polish	1 00
R. G. Perkins, drugs	5 90
Proctor Bros. Grain Co., grain, etc.	684 18
A. H. Proctor & Co., grain	771 61
Prest-O-Lite Co., tank	3 00
Joseph Palmer, repairs	4 50
John B. Rufer, shoeing and repairs	442 32
Robinson Fire Apparatus Co., rectifier	32 50
Russia Cement Co., metal polish	16 01
Erwin F. Schroeder, veterinary	28 15
Sewell-Cushion Wheel Co., wheels and tire	548 80
Standard Range & Stove Co., gasket	1 00
Somerville Awning Co., recovering	45 00
Standard Extinguisher Co., repairs	10 90
Roland L. Smith, battery	16 00
Sanborn Map Co., correction	11 00
Shepard Norwell Co., blankets	133 12
Somerville Brush Co., auto washer	2 45
Charles T. Sullivan, repairs	8 90
Somerville P. O., stamps	10 03
E. S. Sparrow & Co., oil and remover	1 05
Standard Oil Co., gasoline tank, etc.	176 75
Standard Thermometer Co., repairs	2 00
Somerville Journal Co., printing	7 00
Harry Tobin, shoeing	45 95
J. H. Thompson, shoeing	9 50
George W. Tripp, expenses	1 65
U. S. Tire Co., replacement tube	214 65
Underhill Hardware Co., supplies	5 08
Vacuum Oil Co., mobiloil	62 07
Vera Chemical Co., soap powder	23 68
Vulcan-Bessemer Motor Trucks, tow- ing	25 00
I. B. Walker, shoeing and repairs	221 28
Frederick B. Witherly, castings	1 47
Whitney & Snow, paint, etc.	50 55
L. A. Wright, repairs	7 75
West Disinfecting Co., disinfectant	68 75
Western Electric Co., hydrometer plugs	15 53
John M. Woods & Co., oak	40 93
Henry J. Winde, oak	16 10
West Lynn Garage, gasoline	1 70
F. W. White's Parkway Garage, oil	1 00
Wagner Electric Mfg. Co., repairs	2 00
Amount carried forward	\$108,453 64

Amount brought forward	\$108,453 64	
Wellington-Wild Coal Co., fuel . .	136 00	
Winter Hill Ice Co., ice	18 00	
	<hr/>	
	\$108,607 64	
Police Department, badges	6 00	
	<hr/>	
	\$108,613 64	
Service Transfers, from sundry accounts	429 42	
	<hr/>	
		\$108,184 22

Fire Department, Additional Apparatus.

CREDIT.

Balance from 1913		\$20,200 00
Electrical Department, Underground Construction account, amount transferred		1,272 00
		<hr/>
		\$18,928 00

DEBIT.

(Expenditures.)

Cash, paid Ahrens-Fox Fire Engine Co., steam fire engine	\$4,450 00	
Front Drive Motor Co., tractor	3,950 00	
Robinson Fire Apparatus Mfg. Co., ladder truck combination	10,528 00	
	<hr/>	
		\$18,928 00

Public Buildings Department, Maintenance Fire Buildings.

CREDIT.

Appropriation	\$5,500 00	
Fire Department account, amount transferred . .	485 42	
	<hr/>	
		\$5,985 42
Excess and Deficiency account, balance transferred	2,295 20	
	<hr/>	
		\$8,280 62

DEBIT.

(Expenditures.)

Cash, paid for labor	\$316 75	
F. C. Ayer, lumber	109 54	
George A. Ayer, plumbing	48 77	
John H. Adcock, plumbing	19 19	
Armstrong Bros., plumbing	1 85	
American Tube Works, tubing	12 89	
Builder's Iron & Steel Co., steel beams	40 39	
Michael Bowdren, gardening	7 50	
Charles D. Brown & Co., Inc., paints	21 00	
Braman, Dow & Co., piping and labor	2 00	
Cambridge Gas Co., gas	54 72	
Charlestown Gas & Electric Co., gas	53 96	
C. W. Cahalan, plumbing	4 82	
Jackson Caldwell & Co., furniture	124 20	
P. E. Carrigan & Co., repairing heating apparatus	31 61	
Chandler & Farquhar Co., supplies	3 53	
	<hr/>	
Amount carried forward	\$852 72	

Amount brought forward	\$852 72
L. N. Crispo, plastering	6 50
Herbert E. Dawes, window shades	36 80
Davenport-Brown Co., wood	33 99
Edison Electric Illuminating Co., lamps and lighting	1,766 31
J. H. Fannon, granolithic	337 32
J. J. Fisher, plumbing	7 78
Ernest F. Flagg, furnishings, metal, etc.	185 00
Glines Express Co., service	75
C. E. Goss, repairing roof	38 52
J. J. Hurley & Co., repairing heating apparatus	91 87
Charles H. M. Hunnewell, plumbing	109 00
William S. Howe, iron register	2 00
Ideal Supply Co., plumbing material	94
Jackson & Newton Co., window shades	22 30
Thomas J. Kennedy, tinting	100 00
T. E. Littlefield, lumber	26 16
Leavis & Doherty, plumbing	136 07
J. Edward L. McLean, carpentry	6 85
Martin & Wood, electric work	1 20
William J. McCarthy Co., stone and cement	10 00
Pierce, Butler & Pierce Mfg. Co., grate	7 90
Pittsburgh Plate Glass Co., glass	8 67
W. E. Plumer & Co., hardware	1 83
John B. Rufer, iron	4 30
Roberts Iron Works Co., retubing boiler, etc.	37 81
E. S. Sparrow & Co., hardware, etc.	55 28
Charles H. Sanborn, repairing heating system	26 31
Somerville Wood Working Co., doors	31 79
William Stern, paints	7 23
Underhill Hardware Co., hardware	86
Frank E. Woodward & Co., grate bars	9 85
Wellington Wild Coal Co., fuel	4,161 71
John M. Woods, lumber	73 98
L. A. Wright, door plates	2 00
Waldo Bros., concrete enamel	20 00
Wearproof Matting Co., mat	3 30
I. B. Walker, bolts	3 08
Whitney & Snow, hardware	26 73
Wilhelm-Dexter Co., paint, etc.	25 91

\$8,280 62
Militia.

	CREDIT.	
Appropriation		\$500 00
	DEBIT.	
(Expenditures.)		
Cash, paid Company K, Eighth Regiment, rifle range expenses	\$250 00	
Company M. Eighth Regiment, rifle range expenses	250 00	
		<hr/> \$500 00

Weights and Measures Department.

CREDIT.

Appropriation	\$2,550 00
Excess and Deficiency account, balance transferred	26 90
	<hr/>
	\$2,523 10

DEBIT.

(Expenditures.)

Cash, paid John H. Dusseault, salary as sealer of weights and measures	\$1,100 00
Disbursements	87 65
Benjamin S. Abbott, assistant sealer of weights and measures	900 00
American Motor Equipment Co., supplies	30 93
Boston Auto Top Co., top dust cover, etc.	18 00
Boston Nickel Plating Co., iron weights, repairs	6 95
A. W. Brownell, books	6 50
Dennison Mfg. Co., seals	4 80
Dover Stamping & Mfg. Co., garage measure	1 34
Fairbanks Co., postage and sealing clamp	4 87
F. C. Fuller & Co., tools	3 09
Gilman Express Co., expressing	15
W. & L. E. Gurley, weights, balance	36 29
Glines Express Co., service	50
W. A. Greenough, directory	4 00
Otis A. Handy, certificates	3 50
Hill-Michie Co., labor, shoe tube, etc.	26 88
Hillman Co., repairs	3 00
Hobbs & Warren, books	1 00
Charles B. Jackson, storage, supplies, etc.	71 94
Jackson and Griffin, labor and motor supplies	115 16
George A. Macabe, lettering auto	2 00
T. H. Mooers, windshield	5 00
N. E. Tel. & Tel. Co., service	24 58
Somerville Enterprise Publishing Co., advertising	4 00
Somerville Journal Co., advertising	7 00
Somerville Publishing Co., advertising	4 00
Turner Tanning Machinery Co., testing papers	1 13
Thorpe's Express Co., express	15
Underhill Hardware Co., tubing	1 00
Whitall Tatum Co., brass coin	81
L. A. Wright, stock and labor	8 50
N. J. Woodberry, storage car	3 50
Welch, Dwyer & Grady, back cover	7 00
R. Woodman Mfg. & Supply Co., seals, brands and die	5 85
	<hr/>
Amount carried forward	\$2,501 07

Amount brought forward	\$2,501 07	
Winter Hill Press, reports	1 75	
	<hr/>	
	\$2,502 82	
Fire Department, gasoline	20 28	
	<hr/>	
		\$2,523 10

Electrical Department.

CREDIT.

Appropriation	\$9,500 00
Excess and Deficiency account, balance transferred	17 14
	<hr/>
	\$9,482 86

DEBIT.

(Expenditures.)

Cash, paid Walter I. Fuller, salary as commissioner of electric lines and lights	\$1,500 00
Laborers	4,246 50
American Express Co., expressing	1 80
American Steel & Wire Co., wire	65 16
Francis L. Auld, case	8 50
Barbour, Stockwell Co., bases and posts	195 00
Charles A. Blethen, repairing traces, etc.	2 60
Harold L. Bond Co., sewer brush	2 00
J. H. Bunnell & Co., magnet spools . . .	8 48
F. W. Barry, Beale & Co., carbon paper	2 25
Boston Nickel Plating Co., repairing lamps	1 75
Thomas D. Bennett, fan belt	75
C. Bowen, teaming	8 00
Beacon Motor Car Co., truck chasses . .	450 00
Chandler & Farquhar Co., chain, drills, etc.	66 62
Clifton Manufacturing Co., tape	22 75
Commercial Brewing Co., fire alarm whistle	30 00
Coogan's Express, expressing	70
Joe Cotter, Inc., pulleys and belt	5 73
Cambridge Brass Co., fixture loops . . .	1 20
Chadwick-Boston Lead Co., solder	5 76
Cotter & Sons, express	1 50
Davenport-Brown Co., oak	15 80
Davis Square Auto Co., gasoline	1 00
Donovan Motor Car Co., valve caps . . .	1 00
Julian D'Este Co., compositor	32 55
Fellows & Co., fly tip and rods	1 55
Walter I. Fuller, registering auto, etc. .	11 15
Percy Ford Co., bulb, etc.	3 40
Gamewell Fire Alarm Telegraph Co., supplies	1,910 30
Gilman Express Co., expressing	2 65
	<hr/>
Amount carried forward	\$8,606 45

Amount brought forward	\$8,606 45	
Glines Express Co., expressing	13 55	
Gage Printing Co., permit blanks	22 75	
Highland Coal Co., cement	2 45	
Harrington & Aubin, repairing auto	43 59	
Hill-Michie Co., hose	32	
Leousi, Clomney & Co., sponges	20 83	
R. W. LeBaron, switch	40 00	
T. E. Littlefield, lumber	1 11	
Martin & Wood, sharpening saw	50	
New Eng. Tel. & Tel. Co., service	68 59	
George W. Norton, soap	2 00	
J. T. Newton, pendants, etc.	3 40	
New York Insulated Wire Co., wire	33 88	
Pleasant St. Garage, car hire	9 00	
Pettingill-Andrews Co., brackets	3 91	
Daniel Pratt Sons, springs	9 00	
Charles E. Perry Co., register paper	51 02	
W. E. Plumer & Co., cement, bat- teries, etc.	55 68	
Joseph Palmer, repairing spring	3 00	
John B. Rufer, blacksmithing	28 45	
Reunner's Express, expressing	30	
Somerville Publishing Co., advertising	5 62	
Stuart-Howland Co., relays	42 34	
Samson Electrical Co., supplies	28 00	
Thorpe's Express Co., expressing	1 00	
United States Tire Co., repairing	60 81	
Asahel Wheeler Co., paint, etc.	22 45	
Wheeler Reflector Co., glasses	3 00	
Western Electric Co., supplies	288 83	
	<hr/>	
	\$9,471 83	
Fire Department account, gasoline, etc.	237 03	
	<hr/>	
	\$9,708 86	
Service transfers, sundry accounts	226 00	
	<hr/>	
		\$9,482 86

Electrical Department, Underground Construction.

CREDIT.

Balance from 1913	\$2,007 82
Fire Department, Additional Apparatus account, amount transferred	1,272 00
	<hr/>
	\$3,279 82
Balance to credit of account, 1915	18 95
	<hr/>
	\$3,260 87

DEBIT.

(Expenditures.)

Cash, paid laborers	\$921 00
Boston & Maine Railroad, freight	4 03
C. Bowen, teaming	18 00
New York Insulated Wire Co., conduit, lead cable	40 32
	<hr/>
Amount carried forward	\$983 35

Amount brought forward	\$983 35	
Standard Underground Cable Co., cable	2,032 40	
Western Electric Co., pipe and bushings	19 12	
	<hr/>	
	\$3,034 87	
Electrical Department account, materials	226 00	
	<hr/>	
		<u>\$3,260 87</u>

FORESTRY.**Gypsy and Brown-Tail Moth Extermination.**

(Highway Department.)

CREDIT.

Appropriation	\$2,000 00
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DEBIT.

(Expenditures.)

Cash, paid laborers	\$2,115 08	
Joseph Breck & Sons, pruner springs	1 65	
C. W. H. Moulton Co., poles	13 50	
E. S. Sparrow & Co., screw eyes	50	
Underhill Hardware Co., brushes	3 00	
	<hr/>	
	\$2,133 73	
Service transfer, from Care of Trees account	133 73	
	<hr/>	
		<u>\$2,000 00</u>

Elm-Leaf Beetle Extermination.

(Highway Department.)

CREDIT.

Appropriation	\$700 00
Excess and Deficiency account, balance transferred	7 10
	<hr/>
	\$692 90

DEBIT.

(Expenditures.)

Cash, paid laborers	\$322 65	
Boston Coupling Co., spray pipe	7 50	
Dow Chemical Co., arsenate of lead	250 00	
Somerville Publishing Co., printing cards	4 00	
Valvoline Oil Co., oil	8 65	
	<hr/>	
	\$592 80	
Highways Maintenance account, use of city teams	93 80	
Water Maintenance account, gasoline	6 30	
	<hr/>	
		<u>\$692 90</u>

Care of Trees.

(Highway Department.)

CREDIT.

Appropriation	\$2,500 00
Contingent Fund account, amount transferred	500 00
	<hr/>
Amount carried forward	\$3,000 00

Amount brought forward	\$3,000 00
Highways Maintenance account, amount transferred	200 00
	<hr/>
	\$3,200 00
Excess and Deficiency account, amount transferred	58 71
	<hr/>
	\$3,141 29

DEBIT.

(Expenditures.)

Cash, paid laborers	\$2,026 70
Teaming	155 00
F. C. Ayer, lumber	20 75
Clinton Wire Cloth Co., wire netting	99 01
J. W. Howard, trees	2 00
Jackson L. Newton Co., window	1 50
E. S. Sparrow, putty, staples, glass, etc.	11 32
Somerville Journal Co., printing notices	27 50
Underhill Hardware Co., wire	24 75
	<hr/>
	\$2,368 53
Gypsy and Brown-Tail Moth Extermination account, labor	133 73
Highways Maintenance account, use of city teams	627 13
Water Maintenance account, gasoline	11 90
	<hr/>
	\$3,141 29

Highways, Shade Trees.

CREDIT.

Balance from 1913	\$3 97
Highways Construction, Permanent Pavement account, amount transferred	3 97
	<hr/>

HEALTH AND SANITATION.**Health Department.**

CREDIT.

Appropriation	\$11,000 00
Contingent Fund account, amount transferred	2,379 54
	<hr/>
	\$13,379 54
Excess and Deficiency account, balance transferred	2,010 70
	<hr/>
	\$15,390 24

DEBIT.

(Expenditures.)

Cash, paid Caleb A. Page, salary as agent	\$1,500 00
Help on ambulance	17 00
Sundry persons, burying dead animals	88 25
Dr. Frank L. Morse, salary as medical inspector	1,600 00
Visits and maintenance of auto	365 40
Laurence S. Howard, salary as clerk	1,200 00
	<hr/>
Amount carried forward	\$4,770 65

Amount brought forward	\$4,770 65
Notary's commission	7 00
American Express Co., expressing	12 72
A. B. Andrews Co., carbon paper	3 00
Adams Pharmacy, delivering cultures	50
Boston Consumprives Hospital, board	1,858 98
Boston Health Department, board	45 00
Thomas D. Bennett, repairing	6 85
City of Boston, board	1,732 86
Commonwealth of Mass., board	135 00
Cambridge Ice Co., ice	37 30
City of Cambridge, board	1,262 67
A. F. Carpenter, provisions	54 00
J. E. Cross, pad and ink	60
Edward J. Cambridge, delivering cultures	10 62
C. B. Dodge Co., fumigators, candles	166 54
De Pree Chemical Co., fumigators	14 40
Edward Edwards, sundries	21 00
Everett Health Department, board	28 18
Fire Department, gray horse	200 00
C. B. Fagan, horse dentistry	3 00
Fitchburg Board of Health, board	58 28
Forbes & Wallace, clothing	75
W. S. Furbush, delivering cultures	40
W. A. Greenough & Co., directories	8 00
Globe Stamp Works, repairing stamp	75
Charles F. Giles, provisions	104 00
Glines Express Co., express	75
F. W. Gay, delivering cultures	50
Charles A. Higgins, printing	1 00
Hobbs & Warren, blanks	2 12
N. I. Hathaway, damage to rug	10 00
Percy Hall, delivering cultures	6 90
William S. Howe Co., wire and labor	6 00
Lakeville State Sanitorium, board	211 43
D. F. McCall Shoe Co., shoes and rubbers	1 95
Theodore Metcalf Co., supplies	1 32
N. E. Tel. & Tel. Co., service	166 68
North Reading State Sanitorium, board	778 85
Town of Norwood, board	239 29
H. W. Perry, delivering cultures	4 60
Rutland State Sanitorium, board	1,417 96
Reformatory for Women, clothing	71
Ira L. Roberts, horse shoeing	58 10
A. P. Rockwood, horse hire and board	563 20
Richardson's Pharmacy, delivering cultures	40
Somerville P. O., postage, rent of box	85 48
Somerville Journal Co., printing	67 25
R. M. Sturtevant, provisions	104 00
Sidebottom Bros., printing	38 75
R. C. Small & Co., repairing	41 05
State Board of Charity, board	96 50
Amount carried forward	<u>\$14,447 84</u>

Amount brought forward	\$14,447 84	
Scientific Materials Co., tubing	1 78	
Thorpe's Express, expressing	1 00	
Ward's, stationery	39 08	
Whitney & Snow, knife	80	
I. B. Walker, repairing	1 75	
Westfield State Sanitorium, board	895 39	
	<hr/>	
	\$15,387 64	
City Clerk's Department, supplies	2 60	
	<hr/>	
		\$15,390 24

Inspection of Animals and Provisions.

CREDIT.

Appropriation	\$1,250 00
Excess and Deficiency account, balance transferred	18 85
	<hr/>
	\$1,231 15

DEBIT.

(Expenditures.)

Cash, paid Charles M. Berry, salary as inspector of animals and provisions	\$1,200 00
Printing report	4 00
New Eng. Tel. & Tel. Co., service	27 15
	<hr/>
	\$1,231 15

Inspection of Milk and Vinegar.

CREDIT.

Appropriation	\$2,050 00
Contingent Fund account, amount transferred	300 00
	<hr/>
	\$2,350 00
Excess and Deficiency account, balance transferred	23 03
	<hr/>
	\$2,326 97

DEBIT.

(Expenditures.)

Cash, paid Herbert E. Bowman, salary as inspector of milk and vinegar	\$1,300 00
Maintenance of automobile	375 99
Helen E. Bowman, clerk	78 05
American Chemical Society, chemical journals	20 00
George A. Ayer, repairing	1 00
Dennison Mfg. Co., labels	20
Eimer & Amend, supplies	10 06
Edward Edwards, alcohol	1 90
Eastern Drug Co., test tubes and filters	1 76
J. R. Fallon, milk, vinegar, etc.	2 50
Fox, Fultz & Co., boxes	4 75
Glines Express Co., express	35
Peter Gray & Sons, collecting case	27 50
Globe Stamp Works, stamp and pad	1 00
Gilman Express Co., express	60
International Instrument Co., pencils	5 37
	<hr/>
Amount carried forward	\$1,831 03

Amount brought forward	\$1,831 03	
Library Bureau, filing cabinet	31 25	
Mass. Agricultural College, Babcock inspection	3 00	
New Eng. Tel. & Tel. Co., service . . .	11 40	
Remington Typewriter Co., typewriter	78 50	
Somerville P. O., stamped envelopes	110 00	
Somerville Publishing Co., printing and advertising	34 25	
Somerville Journal Co., advertising .	84 47	
Sidebottom Bros., printing	26 75	
F. H. Thomas Co., supplies	21 40	
Thorp & Martin Co., index cards . . .	1 55	
Western Electric Co., torch	2 69	
W. W. White & Co., mounting map .	5 90	
Whitall Tatum Co., jars and bottles, etc.	33 45	
Ward's, stationery	1 55	
	<hr/>	
	\$2,277 19	
Water Maintenance account, gasoline .	49 78	
	<hr/>	
		\$2,326 97

Inspection of School Children.

CREDIT.

Appropriation	\$2,400 00
Excess and Deficiency account, balance transferred	93 63
	<hr/>
	\$2,306 37

DEBIT.

(Expenditures.)

Cash, paid W. L. Bond, medical inspection	\$200 00	
Herbert Cholerton, medical inspection	200 00	
Edward J. Dailey, medical inspection	200 00	
Robert F. Gibson, medical inspection	124 38	
Loring H. Raymond, medical inspection	200 00	
Francis Shaw, medical inspection . .	200 00	
H. M. Stoodley, medical inspection .	200 00	
Michael W. White, medical inspection	100 00	
Edgar F. Sewell, medical inspection .	62 66	
Ella B. Hornbrooke, school nurse . .	780 00	
Disbursements	34 58	
Somerville Journal Co., health cards .	4 75	
	<hr/>	
		\$2,306 37

City Clerk's Department, Vital Statistics.

CREDIT.

Appropriation	\$1,000 00
Excess and Deficiency account, balance transferred	60
	<hr/>
	\$999 40

DEBIT.

(Expenditures.)

Cash, paid Brown-Howland Co., printing	\$10 10
John Bryant's Sons, reporting deaths	21 75
George I. Canfield, canvassing births	98 00
	<hr/>
Amount carried forward	\$129 85

Amount brought forward	\$129 85
Annie M. Gilcrease, canvassing births	55 50
Fannie A. Knapp, canvassing	13 80
John E. Kauler, reporting deaths	16 00
Library Bureau, cards	14 88
Wesley A. Maynard, canvassing births	58 60
G. F. McKenna & Son, reporting deaths	14 75
Joseph J. Manning, reporting deaths	36 75
William Sutherland, atlas	2 50
Somerville Journal Co., advertising	5 00
Somerville Enterprise Publishing Co., advertising	2 00
Somerville Publishing Co., printing and advertising	27 07
Somerville P. O., envelopes	42 00
Leonard C. Spinney, canvassing births	32 70
Sundry persons, reporting births	101 75
Sundry persons, reporting deaths	433 50
Yawman & Erbe Mfg. Co., cards	13 00
	<hr/>
	\$999 65
Refund: J. H. Dorval, check refused	25
	<hr/>
	\$999 40

Contagious Hospital.

CREDIT.

Appropriation	\$16,800 00
Contingent Fund account, amounts transferred	4,700 00
	<hr/>
	\$21,500 00
Excess and Deficiency account, balance transferred	277 24
	<hr/>
	\$21,777 24

DEBIT.

(Expenditures.)

Cash, paid Edith M. Grant, matron	\$1,000 00
Sundry items	350 00
Nurses and assistants	8,364 88
Charles R. C. Borden, M. D. operation	200 00
Burnitol Mfg. Co., napkins	95 46
John T. Bottomley, M. D., professional services	50 00
Robert Burlen, binding	3 00
Bradford-Browne Co., aromatic mist	3 00
Cobb, Bates & Yerxa, groceries	1,321 45
Cambridge Ice Co., ice	220 02
Charles F. Crocker, provisions	629 58
City Home, milk and produce	238 10
Dennison Mfg. Co., sundries	17 25
C. B. Dolge Co., disinfectant candles	41 76
The Fleischman Co., yeast	11 85
Willis S. Furbush, sundries	309 75
Globe Wernicke Co., cards	8 83
Horlick's Malted Milk Co., milk	8 00
Hobbs & Warren, blanks	1 00
	<hr/>
Amount carried forward	\$12,873 93

Amount brought forward	\$12,873 93	
Hamilton-Brown Shoe Co., shoes	37 40	
C. F. Hathaway & Sons, bread	102 96	
Martin L. Hall & Co., coffee and tea	176 40	
F. J. Hopkins, fish	5 45	
J. W. Howard, plants and flowers	57 15	
Jones, McDuffee & Stratton Co., dishes	47 11	
Jordan Marsh Co., sundries	522 48	
H. W. Johns-Manville Co., dustbane	15 75	
George T. Johnson Co., toilet paper	22 00	
William Leavens & Co., poles	33 75	
Lincoln Mfg. Co., gowns	31 79	
Lewis Mfg Co., sundries	52 74	
Library Bureau, cards	7 53	
Miley Soap Co., soap	52 50	
Martin & Wood Co., sharpening	1 00	
National Biscuit Co., crackers	69 52	
New Eng Tel. & Tel Co., service	78 66	
Oakley Chemical Co., oakite	12 02	
S. S. Pierce Co., brandy	11 13	
G. Augustus Proctor, fish	247 01	
Reformatory for Women, sheets, etc.	68 35	
P. L. Ryder, sundries	100 07	
Richardson, Wright & Co., bed clothing	257 70	
Somerville Journal, printing and sub- scription	62 40	
C. L. Stevens, groceries	3,977 75	
Swallow & Fales Co., groceries	42 75	
Sampson-Soch Co., surgical items	27 41	
Shepard Norwell Co., napkins	27 35	
G. F. & E. C. Swift, eggs, etc.	14 40	
Somerville Brush Co., brushes	30 25	
Stone & Forsyth, bags, etc.	50 25	
Sidebottom Bros., printing	2 75	
Somerville Hospital, board	95 00	
Walter H. Snow & Sons, supplies	1 50	
E. S. Sparrow & Co., supplies	27 01	
F. H. Thomas Co., supplies	10 36	
A. S. Tyler, milk	2,021 40	
Ward's, stationery	3 00	
Washburn-Crosby Co., flour	170 55	
Mitchell Wing Co., soap	39 99	
Wilson, Larabee & Co., dry goods	237 99	
Henry A. Wheeler & Co., curtain	4 50	
William J. Wiley, supplies	4 84	
	<hr/>	
	\$21,735 85	
Police Department services	41 39	
	<hr/>	
		\$21,777 24

Public Buildings Department, Maintenance Contagious Hospital.

CREDIT.

Appropriation	\$3,400 00
Excess and Deficiency account, balance transferred	561 09
	<hr/>
	\$3,961 09

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$280 00	
Labor	136 13	
Beyer & Macdonald, repairing electric iron	75	
Francis H. & Charles W. Boyer, Ideal saver	40 00	
Cambridge Gas-Light Co., installing incinerator, gas	270 58	
Edison Electric Illuminating Co., lighting	1,125 81	
Empire Laundry Machinery Co., repairing laundry machine	9 59	
Grant Nail & Supply Co., belting and pulleys	31 17	
Glines Express Co., expressing	1 00	
J. J. Hurley & Co., repairing heating apparatus	51 55	
S. D. Hicks & Son, repairing roof	44 39	
Charles H. M. Hunnewell, plumbing	56 09	
Jackson Caldwell & Co., linoleum and laying	50 70	
J. Edward L. McLean, carpentry	180 25	
F. W. Merrill, electric work	4 10	
Martin & Wood, electric work	3 15	
J. T. Newton, electric work	18 70	
Pittsburgh Plate Glass Co., glass	2 60	
W. E. Plumer, hardware	1 40	
E. S. Sparrow & Co., hardware	18 79	
P. Sutherland & Co., oil	1 20	
Standard Charcoal Co., charcoal	18 00	
Underhill Hardware Co., hardware	42	
Asahel Wheeler Co., paints	20 85	
William J. Wiley, plumbing	42 44	
Wellington-Wild Coal Co., fuel	1,551 43	
		<u>\$3,961 09</u>

SANITATION.**Sewers Construction.**

CREDIT.

Balance from 1913	\$4,391 68	
Appropriation, from Funded Debt, 1914	20,000 00	
		<u>\$24,391 68</u>
Sidewalks Construction account, amount transferred	\$300 00	
City Hall Annex Remodelling account, amount transferred	3,500 00	
Highways Construction, Permanent Pavement account, amount transferred	400 00	
		<u>4,200 00</u>
		<u>\$20,191 68</u>
Sewer Assessments account, assessments levied	2,779 03	
		<u>\$22,970 71</u>
Amount carried forward		

Amount brought forward		\$22,970 71
Offsets to Outlays:—		
Cash, received of J. Talaewsky, old bags	\$18 45	
Grossman Bros., old iron	10 55	
	<hr/>	\$29 00
		<hr/>
		\$22,999 71
Balance to credit of account, 1915		13,101 41
		<hr/>
		\$9,898 30

DEBIT.

(Expenditures.)

Cash, paid laborers	\$2,440 62	
F. C. Ayer, lumber	22 07	
James H. Fannon, tarvia and roller	3 37	
Thomas Groom & Co., sewer permit books	32 83	
J. E. Gallagher, stone cutting	73 59	
Highland Coal Co., sewer pipe	1,427 73	
N. E. Brick Co., bricks	308 10	
Portland Stone Ware Co., sewer pipe	1 97	
Parry Brick Co., bricks	4 70	
Simpson Bros., Inc., repairing pavement	78 38	
Margaret A. Simpson, sand	13 00	
Somerville Foundry, sidewalk frames	66 00	
E. S. Sparrow, kerosene	47 76	
City of Somerville, sewer assessments	81 00	
James Tevlin, teaming	703 26	
Waldo Bros., drain pipe	114 56	
Warren Bros., repairing pavement	66 00	
Frederick B. Witherly, trap, etc.	308 66	
Charles A. Kelley, constructing sewers:—		
Boston Ave.	300 00	
Boston Ave. and Frederick Ave.	63 61	
Powder House Boulevard	700 00	
Boston Ave. and storm drain on Frederick Ave.	125 00	
John A. Gaffey, constructing sewers:—		
Brook and Glen Streets	614 16	
Denis I. Crimmings, constructing sewers:—		
Weston Ave.	360 00	
North St.	200 00	
North St., Weston Ave. and College Hill Road	815 58	
Bartholomew Burke, constructing sewers:—		
Powder House Boulevard	170 15	
John A. Gaffey, constructing sewers:—		
Middlesex Ave.	483 20	
	<hr/>	\$9,625 30
Sewers Maintenance account, tools, etc.	391 68	
Water Maintenance account, pipe	3 00	
	<hr/>	\$10,019 98
Offsets to Outlays:—		
Starrett, Field & Co., cement bags	121 68	
	<hr/>	
		<hr/>
		\$9,898 30

Sewers Maintenance.

CREDIT.

Appropriation	\$14,000 00
Excess and Deficiency account, balance transferred	2 44
	<hr/>
	\$14,002 44

DEBIT.

(Expenditures.)

Cash, paid laborers	\$7,927 28
American Express Co., expressing	70
Charles F. Berry, repairing tools	19 30
Boston Coupling Co., hose and sprinklers	97 65
Boston Belting Co., repairs on sewers, etc.	11 87
Bartholomew Burke, sewer repairs	12 00
E. W. Bailey, one-half registration auto	7 50
Part expenses Good Roads convention, Chicago	12 50
Charles E. Berry, repairing tools	25 74
Clinton E. Bray, use and maintenance of motorcycle	51 74
Cornelius Callahan Co., repairing hose	24 17
H. E. Campbell, repairing sewer	8 45
Jackson Caldwell & Co., rubber and labor	3 50
Harry S. Campbell and David M. Smith, settlement of claim to horse	125 00
Ernest W. Danforth, car fares, etc.	34 47
Davenport-Brown Co., lumber and repairing	6 18
J. H. Edwards, repairing tools, etc.	2 50
Edson Mfg. Co., repairs	22 07
Eagle Oil & Supply Co., oil	14 55
Fiske Rubber Co., case and tube	27 63
Gulf Refining Co., kerosene	8 50
E. M. Green, auto repairs	78 10
William S. Howe, dipper, and stove repairs	12 41
Knox Automobile Co., repairs on auto	43 43
George W. Ladd, sharpening	2 70
Martin & Wood, keys, sharpening tools, batteries	7 17
N. E. Tel. & Tel. Co., service	31 50
Samuel Naiman, repairing rubber boots	6 20
N. E. Brick Co., bricks	29 25
W. E. Plumer & Co., saw blades	9 93
Parry Brick Co., bricks	4 96
Rhody Boot Co., rubber boots	6 50
E. S. Sparrow & Co., lanterns and globes	25 20
Alden Speare's Sons Co., oil	11 55
James D. Sharkey, painting auto	45 00
Joseph B. Sharkey, repairs	15 00
	<hr/>
Amount carried forward	\$8,772 20

Amount brought forward	\$8,772 20	
James Tevlin, teaming	5,622 43	
Whitney & Snow, supplies	21 30	
	<hr/>	
	\$14,415 93	
Fire Department account, second-hand hose and couplings	10 63	
Water Maintenance account, repairs, gasoline	37 83	
	<hr/>	
	\$14,464 39	
Service Transfers, from sundry accounts	461 95	
	<hr/>	
		\$14,002 44

**Public Buildings Department, Maintenance Sewer
Buildings.**

CREDIT.

Appropriation	\$100 00	
Excess and Deficiency account, balance transferred	32 05	
	<hr/>	
		\$67 95

DEBIT.
(Expenditures.)

Cash, paid labor	\$4 00	
Armstrong Bros., plumbing	25	
Hemeon Bros., carpentry	23 80	
Wellington-Wild Coal Co., fuel . .	39 90	
	<hr/>	
		\$67 95

Refuse Disposal.

(Highway Department.)

CREDIT.

Appropriation	\$86,200 00	
Contingent Fund account, amount transferred . .	7,000 00	
	<hr/>	
	\$93,200 00	
Highways Construction Macadam Pavement account, amount transferred	200 00	
	<hr/>	
	\$93,000 00	
Excess and Deficiency account, balance transferred	75 40	
	<hr/>	
		\$92,924 60

DEBIT.
(Expenditures.)

Cash, paid Edgar T. Mayhew, salary as superintendent	\$1,400 00	
Laborers	61,912 61	
Teaming	12,988 74	
Anderson & Anderson, garbage pails .	45 00	
F. C. Ayer, lumber	14 98	
Burbank & Ryder Varnish Co., paint, etc.	20 58	
	<hr/>	
Amount carried forward	\$76,381 91	

Amount brought forward	\$76,381 91	
Boston Woven Hose & Rubber Co., hose, etc.	21 12	
Cunningham Grain Co., oats, etc.	1,539 67	
G. S. Cheney Co., medicine, bandages etc.	17 84	
Edwin & H. J. Connell, garbage pail	90	
Dyar Supply Co., wagon part	20	
Eastern Drug Co., horse comfort	3 00	
Fire Department, horse	200 00	
Walter W. Field & Son, repairing	49	
F. C. Fuller & Co., lead	16 00	
Thomas Groom & Co., books	38 19	
Gilman Express Co., expressing	1 60	
Glines Express Co., expressing	15	
Arthur C. Harvey Co., nails, pads, sup- plies	320 10	
Henderson Bros., sleds	150 00	
H. M. Hillson Co., galvanized iron	3 65	
Wm. H. Hitchings, veterinary services	74 50	
J. Loring & Co., horse feed	12 74	
Lord & Webster Co., hay and straw	3,054 87	
Morgan-Bond Co., harness, supplies, etc.	367 33	
National Broom Co., brooms	6 50	
N. E. Tel. & Tel Co., service	31 31	
Proctor Bros. Grain Co., oats and bran	1,220 93	
Perrin Seamans Co., pinion	24 32	
A. H. Proctor & Co., oats and bran	1,148 00	
Henry W. Perry, medicine	1 15	
John B. Rufer, clipping horse	2 50	
Rodgers Bros., welding compound	50	
Reed Bros. & Sawin, rent of dump	900 00	
Alden Speare's Sons Co., oil	2 20	
Somerville Publishing Co., printing re- ports	16 00	
E. S. Sparrow & Co., faucets, etc.	11 85	
Stickney & Poor Spice Co., ginger, etc.	3 00	
Ann Tobin, administratrix, settlement of claim	2,150 00	
Underhill Hardware Co., nails, brooms	8 70	
I. B. Walker, shoeing and repairing	54 40	
A. M. Wood Co, shafts and poles	41 38	
Whitney & Snow, galvanized pails	1 13	
L. A. Wright, wheels, etc.	15 70	
	<hr/>	
	\$87,843 83	
Highways Maintenance account, use of horses	5,055 40	
Water Maintenance account, gasoline, stock and labor	25 37	
	<hr/>	
		\$92,924 60

Public Buildings Department, Maintenance Refuse Buildings.

CREDIT.

Appropriation	\$1,000 00
Excess and Deficiency account, balance transferred	53 32
	<hr/>
	\$1,053 32

DEBIT.

(Expenditures.)

Cash, paid labor	\$68 00
George A. Ayer, plumbing	217 86
F. C. Ayer, lumber	18 39
Edison Electric Illuminating Co., light- ing	318 01
T. E. Littlefield, lumber	36 25
William J. McCarthy Co., crushed stone	11 13
Martin & Wood, electric work . . .	22 02
P. J. Mooney, plumbing	152 83
E. S. Sparrow & Co., nails, hardware	21 46
John M. Woods & Co., lumber . . .	42 02
Wellington-Wild Coal Co., fuel . . .	126 45

 \$1,034 42

Water Maintenance account, setting gate, box, etc.	18 90
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 \$1,053 32
Incinerator Addition.

CREDIT.

Revenue, paid in advance for outlays	\$3,100 00
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DEBIT.

(Expenditures.)

Cash, paid J. Edward L. McLean, pay- ment per contract addition to Incin- erator building	\$3,099 56
B. L. Makepeace, blueprints	44

 \$3,100 00
Highways, Street Cleaning.

CREDIT.

Appropriation	\$22,000 00
Highways Maintenance account, amount transferred .	1,200 00

 \$23,200 00

Highways Construction, Macadam Pavement account amount transferred	1,000 00
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 \$22,200 00

Excess and Deficiency account, balance transferred .	51 14
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 \$22,251 14

DEBIT.

(Expenditures.)

Cash, paid laborers	\$17,244 26
Teaming	1,576 25
Edson Mfg. Co., chain	11 66
John A. Ferguson, push brooms and refilling brooms	36 25
Glines Express Co., expressing . . .	15
National Broom Co., push brooms and refilling brooms	82 04

 Amount carried forward \$18,985 11

Amount brought forward	\$18,985 11	
W. E. Plumer & Co., push brooms	30 00	
John M. Riley, double team	1 25	
Underhill Hardware Co., galvanized barrel	3 25	
	<hr/>	
	\$18,985 11	
Highways Maintenance account, use of teams	3,266 03	
	<hr/>	
		\$22,251 14

HIGHWAYS.**Highways Construction.**

CREDIT.

Balance from 1913	\$313 38	
Highways Construction, Permanent Pavement account, balance transferred	246 78	
	<hr/>	
		\$66 60

DEBIT.

(Expenditures.)

Cash, paid Thomas Leighton, Jr., Register, recording takings	\$66 60	
	<hr/>	

Highways Construction, New Streets.

CREDIT.

Appropriations, from Funded Debt, 1914	\$25,000 00	
Highways Permanent Pavement account, amount transferred	5,700 00	
	<hr/>	
	\$19,300 00	
Highways Betterment Assessments account, assess- ments levied	18,114 68	
	<hr/>	
	\$37,414 68	
Balance to credit of account, 1914	1 75	
	<hr/>	
		\$37,412 93

DEBIT.

(Expenditures.)

Cash, paid laborers	\$3,600 02	
Teaming	178 25	
Boston & Maine R. R., freight on cement	59 76	
Barrett Mfg. Co., tarvia	785 95	
Coleman Bros., crushed stone	717 97	
James H. Fannon, constructing new streets:—		
Wisconsin Ave., Walnut Road and Sunnyside Ave.	4,061 93	
Landers St.	68 32	
St. James Ave.	22 80	
Walnut Road	101 94	
	<hr/>	
Amount carried forward	\$9,596 94	

Amount brought forward	\$9,596 94	
Wisconsin Avenue	387 61	
Charles A. Kelley, constructing new streets:—		
Ossipee Road, Waterhouse St., Fiske Ave, Frederick Ave, Henderson St.	12,581 46	
Rhode Island Ave.	1,090 05	
Extra work on same	8 07	
Fiske Ave.	28 91	
Frederick Ave.	123 14	
Henderson Street	32 03	
Ossipee Road	189 42	
Russell Road	90 22	
Waterhouse Street	86 62	
Woodstock Street	21 67	
Acadia Park	1,892 79	
Tarvia	54 25	
Extra work, sundry streets	201 14	
Extra excavation, Ward and Harding Streets	157 00	
James H. Fannon, concreting gutter		
Acadia Park	92 00	
Granolithic work	21 60	
Thomas Groom & Co., books	10 00	
Highland Coal Co., cement	486 29	
S. & R. J. Lombard, edgestones, etc.	8,229 62	
Middlesex Registry of Deeds, recording takings	4 85	
William J. McCarthy Co., crushed stone	829 51	
Somerville Journal, printing	69 00	
	<hr/>	
	\$36,284 19	
Highways Maintenance account, use of teams	875 60	
Highways Construction, Macadam Pavement account, crushed stone	426 88	
	<hr/>	
	\$37,586 67	
Service Transfers, from sundry accounts	88 24	
	<hr/>	
	\$37,498 43	
Offsets to Outlays:—		
Highland Coal Co., cement bags	85 50	
	<hr/>	
		\$37,412 93

Highways Construction, Permanent Pavement.

CREDIT.

Appropriations, from Funded Debt, 1914	\$50,000 00	
Amounts transferred from the following accounts:—		
Highways Construction, New Streets	\$5,700 00	
Highways, Shade Trees	3 97	
Highways Construction	246 78	
Sewers Construction	400 00	
	<hr/>	
		\$6,350 75
		<hr/>
Amount carried forward		\$56,350 75

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 107

Amount brought forward	\$56,350 75
Offsets to Outlays:—	
Cash, received of sundry persons, one-half cost of construction	174 50
	<hr/>
	\$56,525 25
Balance to credit of account, 1915	297 64
	<hr/>
	\$56,227 61

DEBIT.

(Expenditures.)

Cash, paid laborers	\$4,661 72
Teaming	750 26
Boston & Maine R. R., freight	1,060 45
James H. Fannon, construction work:—	
Springfield Street	1,476 29
Broadway	5,188 38
Elm Street and Cutter Square	204 18
Elm Street, Prospect Street and Broadway	6,500 00
Elm Street, Cutter Square and sundry streets	18,805 31
Elm Street	2,500 00
Cutter Square	17 81
Prospect Street	33 41
Willow Avenue	1,000 00
James H. Fannon, teaming bricks	99 65
Highland Coal Co., cement	505 30
Charles A. Kelley, construction work:—	
Columbia Street	2,689 95
Ward Street	2,874 12
Harding Street	2,108 12
Ward Street and Harding Street	14 30
S. & R. J. Lombard, edge stones and circles	1,674 06
Middlesex Registry of Deeds, recording takings	5 80
Shawmut Mining Co., paving blocks	3,620 55
	<hr/>
	\$55,789 66
Highways Maintenance account, use of teams	355 44
Highways Construction, New Streets account, labor and advertising	78 24
Sidewalks Maintenance account, bricks	4 27
	<hr/>
	\$56,227 61

Highways Construction, Macadam Pavement.

CREDIT.

Appropriations, from Funded Debt, 1914	\$30,000 00
Amounts transferred from the following accounts:—	
Sidewalks Construction	\$300 00
Highways Maintenance	1,800 00
Highways Street Cleaning	1,000 00
Refuse Disposal	200 00
	<hr/>
	3,300 00
	<hr/>
	\$33,300 00

Amount brought forward	\$33,300 00
Offsets to Outlays:—	
Cash, received of sundry persons, one-half cost of construction	77 35
	<hr/>
	\$33,377 35
Balance to credit of account, 1915	355 54
	<hr/>
	\$33,021 81

DEBIT.

(Expenditures.)

Cash, paid laborers	\$9,380 11
Teaming	703 75
F. C. Ayer, lumber	17 48
Barrett Mfg. Co., tarvia	6,145 49
Coleman Bros., crushed stone	5,197 49
James H. Fannon, crushed stone	170 33
John A. Gaffey, on account contract Middlesex Avenue	1,088 00
Highland Coal Co., cement	947 85
A. E. Littlefield, lumber	10 10
S. & R. J. Lombard, edgestone and circle	815 51
William J. McCarthy Co., crushed stone	6,014 16
W. B. Mullen, gravel	212 48
E. S. Sparrow & Co., paint	1 90
B. W. Weeks, salt hay	14 75

\$30,719 40

Highways Maintenance account, use of teams	3,071 49
Highways Construction, New Streets account, use of tools	10 00
Sidewalks Maintenance account, bricks	1 05

\$33,801 94

Service Transfers, from sundry accounts	468 94
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\$33,333 00

Offsets to Outlays:—

Highland Coal Co., cement bags	311 19
--	--------

\$33,021 81

Highways Maintenance.

CREDIT.

Appropriation	\$33,400 00
Transferred to the following accounts:—	
Care of Trees	\$200 00
Street Cleaning	1,200 00
Sidewalks Maintenance	200 00
Highways Construction Macadam Pavement	1,800 00
	<hr/>
	3,400 00

\$30,000 00

Excess and Deficiency account, balance transferred	756 04
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\$29,243 96

DEBIT.

(Expenditures.)

Cash, paid Asa B. Prichard, salary as street commissioner	\$2,400 00
Expenses to Good Roads Convention, Chicago	39 20
Asa B. Prichard and E. W. Bailey, partial expenses to Chicago convention	100 00
Albert M. Burbank, foreman	1,404 00
Laborers	22,994 79
Teaming	157 50
Denis Haggerty, pension	159 91
Richard Furlong, pension	287 49
Amos J. Osgood, injured	324 24
Edward Cotty, pension	349 44
Josiah C. Freeman, pension	192 56
F. C. Ayer, lumber	371 17
American Express Co., expressing	1 51
Ashton Valve Co., repairing gauge	2 00
Archibald Wheel Co., hub and bolts	15 66
American Tar Co., tarine	221 08
S. Armstrong, pine bungs	50
Mary Bryan, settlement of claim for injuries	125 00
Bennington Co., shovels	11 76
Barrett Mfg. Co., paint, tarvia and carbonal	965 18
Burbank & Ryder Varnish Co., varnish	9 80
Benjamin's Express Co., expressing	15
Buffalo Steam Roller Co., repairing roller	22 91
Boston Coupling Co., hose sprinkler	55
Boston Steam Roller Co., grease	5 00
Boston & Maine, demurrage on sand	28 15
Boston Varnish Co., paint stock	11 25
Braman Dow & Co., vise, nips, plugs, pipe, etc.	22 49
Chandler & Farquhar Co., cotton waste	36 57
J. P. Connor & Son, board of horse and storage of auto	22 37
Consolidated Rendering Co., salt	8 00
G. S. Cheney Co., acid, flaxseed, petroleum and naphthaline	7 61
Cunningham Grain Co., oats and bran	1,551 67
A. W. Chesterton Co., plugs, postage, washers, and repairing roller	39 48
Concord Foundry and Machine Co., sign hangers	5 00
Dennis H. Casey, settlement for injuries	200 00
Coleman Bros., crushed stone	79 47
C. J. Cross, damage to suit	3 00
Harry S. Campbell and David M. Smith, claim for injuries to horse	125 00
Leo E. Ducey, settlement of claim for	
Amount carried forward	\$32,301 46

Amount brought forward	\$32,301 46
injury	450 00
Davenport-Brown Co., sawing stock	6 00
S. H. Davis Co., horn	11 48
R. W. Doe, iron and zinc	2 60
Edison Electric Illuminating Co., plug	25
Fire Department, horses	300 00
Ford Motor Co., repairing auto	46 98
Fitzhenry Guptil Co., spark plugs	7 00
Walter W. Field & Son., Inc., repairing roller	685 68
Gilman Express Co., expressing	18 90
Glines Express Co., expressing	4 60
Gulf Refining Co., kerosene	245 69
Thomas Groom & Co., book and ledger	64 42
Globe Wernicke Co., box files and file index	20 20
Good Roads Machinery Co., repairing	1 99
B. F. Goodrich Co., valves and caps	45 18
Agnes M. Green, settlement for injuries	150 00
Thomas J. Grey Co., plow	24 50
Gould & Cutter, lead and turpentine	14 30
Arthur E. Harvey Co., wagon bolts, horse shoeing supplies	421 63
Hill-Michie Co., repairing auto	4 25
E. J. Hervey, forcite, etc	22 59
Patrick J. Harney, settlement of claim for injuries	75 00
Highland Coal Co., cement	30 66
Headley Good Roads Co., road oil	622 89
Hume Carriage Co., curtain light, etc.	3 75
J. W. Howard, plants, etc.	12 00
Joseph M. Herlihy, fence stock	22 91
William H. Hitchings, veterinary ser- vices	46 00
Alfred C. Harvey Co., horse shoeing	39 30
Ideal Supply Co., plugs and pipes	1 86
Leander D. Junkins, bricks	7 24
Richard A. Keyes, services as stenog- rapher	7 25
J. A. Kiley, repairing road machine	1 25
Knights of Columbus, bricks	12 60
John E. Kauler, bricks	2 80
Charles A. Kelley, patching gutter and resurfacing Columbia street	135 78
A. E. Libby & Sons, pads, cards, sta- tionery	54 24
George W. Ladd, horse shoeing	1 95
T. E. Littlefield, lumber	31 96
Lord & Webster, hay	3,033 18
J. Loring & Co., horse feed	33 12
J. S. Levin, use of water	2 50
E. Linegar & Co., plow	7 00
Agnes Lynch, settlement of claim	375 00
S. & R. J. Lombard, edgestones and circle	20 73
Amount carried forward	<hr/> \$39,430 67

Amount brought forward	\$39,430 67
Mystic Rubber Co., repairing auto	25 75
William F. Morang, gravel	111 00
Martin & Wood, repairs, electrical work	9 57
Helen G. McCarthy, use of water	1 00
Morgan Bond Co., saddlerly hardware	421 57
Jane T. Mullen, settlement for injuries	240 00
C. W. H. Moulton Co., ladder	14 00
Estelle McLean, settlement of claim for injuries	100 00
Medford Street Market, lard, etc.	4 86
W. B. Mullen, sand and gravel	1,066 13
William J. McCarthy, crushed stone	462 88
Massachusetts Highway Commission, registration of auto	10 00
Mrs. G. R. Mulqueeney, settlement for injuries	10 00
N. E. Tel. & Tel. Co., service	146 01
N. E. Towel Supply Co., use of towels	7 20
National Broom Co., refilling	23 52
N. E. Oil, Paint & Varnish Co., alcohol	2 25
Mary A. Nickerson, settlement for injuries	175 00
New England Dressed Meat & Wool Co., tallow	2 10
Helen O'Rourke, settlement of claim	200 00
Perrin, Seamans & Co., tools, shovels	281 91
Park Garage Co., storage of auto	89 88
Proctor Bros. Grain Co., grain	1,268 33
Henry W. Perry, medicine	1 60
Joseph Palmer, truck spring	11 00
A. H. Proctor, grain	1,995 90
Parry Brick Co., paving bricks	14 76
Page Broom Co., brooms	5 00
Frank Richardson, horse shoeing	50
Roberts Iron Works Co., grate	6 64
Rogers Bros., welding compound	1 25
Somerville P. O., envelopes and postage	56 82
E. S. Sparrow & Co., hardware	355 71
Somerville Publishing Co., printing	66 25
Somerville Journal Co., books, printing etc	154 50
B. F. Smith & Co., new fenders	6 90
Stewart-Warner Speedometer Corp., spocket and labor	3 50
Stickney & Poor Spice Co., ginger	1 80
Fred M. Strehle, bricks	6 30
Studebaker Corporation of America, iron cart	75 00
H. B. Sawyer Oil Co., oil	12 75
Teele Manufacturing Co., repairing auto, can se-men-tol	5 55
Lewis E. Tracy Co., lacing	7 64
Underhill Hardware Co., hardware	108 50
Van Buskirk & Osborne Co., setting tires	4 00
Amount carried forward	<hr/> \$47,005 50

Amount brought forward	\$47,005 50	
Valvoline Oil Co., oil	80 95	
Warren Bros. Co., repairing pavements	41 01	
Whitney & Snow., hardware	51 81	
Wellington Wild Coal Co., fuel	828 01	
A. M. Wood Co., oak runner	236 57	
Harry Wood, settlement for damage to property	400 00	
I. B. Walker, horse shoeing	12 45	
L. A. Wright, repairing wheels	74 45	
Asahel Wheeler & Co., gold leaf	23 55	
H. B. Whittier & Co., spireas, etc.	53 88	
Ward's, stationery	5 50	
Wier and Grimes, springs	20 00	
City of Waltham, taxes on gravel, land, etc.	177 49	
	<hr/>	
	\$49,021 17	
Fire Department account, wagon and vise	99 00	
Highways Construction, Macadam Pavement account, cement	3 99	
Sidewalks Construction account, luster-lite, cement	54 09	
Water Maintenance account, gasoline, etc.	98 04	
	<hr/>	
	\$49,276 29	
Service Transfers, from sundry accounts	20,032 33	
	<hr/>	
		\$29,243 96
Sidewalks Construction.		
	CREDIT.	
Appropriations, from Funded Debt, 1914	\$20,000 00	
Sewers Construction account, amount transferred	300 00	
	<hr/>	
	\$20,300 00	
Sidewalks Construction, Macadam Pavement account, amount transferred	300 00	
	<hr/>	
		\$20,000 00
Offsets to Outlays:—		
Cash, received of Boston & Maine Railroad, amount due on sundry sidewalks	\$341 12	
Sears Condit, sidewalk	110 41	
Knights of Columbus, sidewalk	159 60	
Sundry Persons, amounts paid on 1913 Sidewalks construction	301 00	
	<hr/>	
		912 13
		<hr/>
		\$20,912 13
Sidewalk Assessments account, assessments levied		19,763 54
		<hr/>
		\$40,675 67
Balance to credit of account, 1915		89 03
		<hr/>
		\$40,586 64

DEBIT.		
(Expenditures.)		
Cash, paid laborers	\$10,887 31	
Teaming	1,191 87	
Boston & Maine Railroad, freight	59 76	
City of Somerville, sidewalk assessments	183 99	
Samuel Chabot, lamp black	47 42	
Dennis I. Crimmings, construction work on sidewalks:—		
Sundry sidewalks	2,370 00	
Broadway	600 00	
Cutter avenue	725 00	
Fremont Street	850 00	
Houghton Street	8,329 72	
Jay Street	500 00	
Moreland Street	1,150 00	
Jasper Street	250 00	
St. James Avenue	150 00	
Winter Street	500 00	
Constructing granolithic sidewalks	3,564 09	
Extra excavation and work	548 54	
Granolithic work	18 78	
James H. Fannon, sidewalk construction work	598 06	
Thomas Groom & Co., books	43 86	
Gulf Refining Co., kerosene	10 20	
Gilman Express Co., expressing	2 75	
Highland Coal Co., cement	2,800 89	
S. & R. J. Lombard, edgestones	2,045 13	
William J. McCarthy, crushed stone	1,048 55	
Parry Brick Co., bricks	297 95	
Perrin Seamans & Co., tools	7 59	
	<hr/>	
	\$38,781 46	
Highways Maintenance Account, amount transferred, teams, materials	2,437 90	
Highways Construction, Macadam Pavement account, cement	38 07	
Sewers Maintenance account, change of line and grade of manholes	20 61	
	<hr/>	
	\$41,278 04	
Service Transfers, from sundry accounts	61 40	
	<hr/>	
	\$41,216 64	
Offsets to Outlays:—		
Highland Coal Company, cement bags	630 00	
	<hr/>	
	\$40,586 64	
Sidewalks Maintenance.		
	CREDIT.	
Appropriation	\$4,000 00	
Highways Maintenance account, amount transferred	200 00	
	<hr/>	
	\$4,200 00	
Excess and Deficiency account, balance transferred	30 12	
	<hr/>	
	\$4,230 12	

DEBIT.
(Expenditures.)

Cash, paid laborers	\$2,650 22
Teaming, hired teams	52 50
Sears B. Condit, bricks	15 29
James H. Fannon, repairing sidewalk	52 74
Thomas Groom & Co., ledger	6 75
Highland Coal Co., cement	20 76
Knights of Columbus, bricks	39 20
William J. McCarthy, crushed stone	2 81
Parry Brick Co., paving bricks	199 87

\$3,040 14

Highways Maintenance account, use of teams	1,189 86
Sidewalks Construction account, cement	5 44

\$4,235 44

Service Transfers, from sundry accounts	5 32
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\$4,230 12

Street Sprinkling.

CREDIT.

Appropriation	\$28,000 00
Excess and Deficiency account, balance transferred	43 71

\$28,043 71

DEBIT.
(Expenditures.)

Cash, paid laborers	\$3,514 66
Teaming	523 48
Charles E. Berry, labor on cart	1 30
Buffalo Steam Roller Co., grease	20 15
Boston Engineer's Supply Co., road oil	603 75
Barrett Mfg. Co., tarvia	568 78
Boston & Maine R. R., demurrage	70 00
Davenport Brown Co., oak	84
J. Madeline Coy, clerical work	13 34
Cambridge Gas Light Co., water gas	594 00
W. J. Connell Co., screw and nut.	30
Boston Varnish Co., varnish	27 50
James F. Doherty, street sprinkling	634 00
Dustoline Co., dustoline	858 67
S. H. Davis Co., horn	3 00
Elizabeth W. Emery, sprinkling	636 00
Edson Mfg. Co., repairing engine, packing, etc.	29 64
Walter M. Field & Son, repairing gear	1 87
Good Roads Machinery Co., nozzles and stop cock	6 99
B. F. Goodrich Co., wireless tires	134 71
Headley Good Roads Co., road oil	1,690 90
Arthur E. Harvey Co., tire, iron	22 30
Island Petroleum Co., road oil	472 77
Indian Refining Co., road oil	398 05

Amount carried forward \$10,827 00

Amount brought forward	\$10,827 00
Kenney Pump Works, pressure, distributor, repairing, etc	1,946 38
Kinney Mfg. Co., collar, repairing, nozzles, labor	84 55
M. E. Lemery Co., oil	1,685 33
John Lynch, gasoline	45
Massachusetts Highway Commission, registration of truck	14 00
C. W. H. Moulton Co., ladder supplies	11 20
City of Medford, oiling Boston avenue, 1913 and 1914	128 12
New England Oil, Paint and Varnish Co., varnish	17 50
Park Garage, gasoline	1 65
Peerless Welding & Manufacturing Co., frame on auto truck	3 20
Alden Speare's Sons Co., asphalt oil	7,272 92
E. S. Sparrow & Co., wrench, oil Japan, etc.	13 50
Suburban Coal Co., street sprinkling	616 00
Standard Oil Co., of New York, road oil	2,129 48
Harold B. Sawyer Oil Co., auto oil	9 00
Studebaker Corporation of America, hub for wheel	4 50
Emily S. Taapken, clerical work	24 01
Myrtie E. Turner, clerical work	80 00
Teel Manufacturing Co., labor on motor repairing oil tank, etc.	228 31
Valvoline Oil Co., oil	4 45
Ward's record book	19 00
I. B. Walker, shoeing and repairing-sprinkler	90
	<hr/>
	\$25,121 45
Highways Maintenance account, use of teams	2,654 96
Water Maintenance account, gasoline	265 67
Fire Department account, hose and couplings	4 63
	<hr/>
	\$28,046 71
Refund: Massachusetts Highway Commission	3 00
	<hr/>

\$28,043 71
Street Lighting.

CREDIT.

Appropriation	\$58,000 00
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DEBIT.

(Expenditures.)

Cash, paid Boulevard Auto Co., automobile hire	\$12 00
Amount carried forward	<hr/> \$12 00

Amount brought forward	\$12 00
Edison Electric Illuminating Co., street lighting, and shifting lamps	57,978 00
Richard A. Keyes, use of automobile	10 00
	<hr/>
	\$58,000 00

Public Buildings Department, Maintenance Highway Buildings.

CREDIT.

Appropriation	\$1,200 00
Excess and Deficiency account, balance transferred	545 49
	<hr/>
	\$654 51

DEBIT.

(Expenditures.)

Cash, paid labor	\$142 00
George A. Ayer, plumbing	52 31
C. W. Cahalan, plumbing	8 55
A. W. Chesterton Co, valve, etc.	4 19
R. H. Doe, repairing	9 80
Edison Electric Illuminating Co., light- ing	190 10
Gurney Heater Manufacturing Co., heater	34 00
James Hayden, carpentering	8 02
T. E. Littlefield, lumber	8 89
Martin & Wood, electrical work	2 40
Renner's Express, expressing	25
W. A. Snow Iron Works, harness hooks	2 25
E. S. Sparrow & Co., hardware	10 15
Walker & Pratt Manufacturing Co., grate	1 15
Wellington-Wild Coal Co., fuel	180 45
	<hr/>
	\$654 51

Grade Crossings Expenses.

CREDIT.

Balance from 1913	\$5,818 09
Balance to credit of account, 1915	5,818 09

CHARITIES.**Poor Department, Miscellaneous.**

CREDIT.

Appropriation	\$27,500 00
Contingent Fund account, amount transferred	7,000 00
	<hr/>
	\$34,500 00
Excess and Deficiency account, balance transferred	1,062 68
	<hr/>
	\$35,562 68

DEBIT.

(Expenditures.)

Cash, paid Charles C. Folsom, salary as agent	\$1,700 00
disbursements	6,585 75
C. Clark Towle, M. D., salary as city physician	1,500 00
Loring H. Raymond, acting city physician	60 00
Cora F. Lewis, secretary	700 00
Jeannette M. Hutchins, clerical services	550 00
H. G. Applin, groceries	309 50
Town of Attleborough, aid to poor	4 40
Mrs. E. M. Bangs, board	104 30
James Bartley, groceries	1,147 45
City of Boston, aid to poor	3,780 09
H. A. Butters, groceries	70 00
J. H. Brooks, dry goods	15 50
Charles M. Berry, rent	37 48
Percy Brown, medical services	10 00
M. Blotner, groceries	6 00
Town of Billerica, aid to poor	7 95
City of Brockton, aid to poor	169 50
Joseph A. Costa, ambulance, etc.	21 00
Cambridge Gas Light Co., gas	24
Edward Coliten & Son, groceries	668 00
C. Carbone & Co., groceries	276 50
A. F. Carpenter, groceries	399 13
William J. Casey & Co., groceries	471 00
Mercy J. Chase, allowance	43 42
Children's Mission, board	122 50
Commonwealth of Massachusetts, board	830 35
F. E. Cheney Co., groceries	367 00
N. C. Calnan, groceries	126 50
F. Callahan & Co., ambulance	3 00
City of Cambridge, aid to poor	1,532 53
D. E. Carr, board	5 79
Cambridge Ice Co., ice	6 00
James Davis, groceries	436 00
Edgar E. Donnell, board	104 30
Mary Drury, board	54 26
Thomas A. Dewire, groceries	331 00
George L. Doherty, burial	91 00
H. A. Dunham, groceries	54 50
Herbert E. Dawes, draperies and fixing rugs	29 99
Mrs. Abbie Dearborn, board	14 00
Town of Dudley, aid to poor	43 25
Town of Easthampton, aid to poor	76 42
Edward Edwards, medicine	84 87
City of Everett, aid to poor	189 94
Town of Framingham, aid to poor	23 95
W. A. Flaherty & Son, burial	35 00
Mrs. Mary A. Fletcher, allowance	52 17
F. W. Gilbert, boots and shoes	53 60
Amount carried forward	<u>\$23,305 13</u>

Amount brought forward	\$23,305 13
Charles F. Giles, groceries	1,174 83
F. H. Grow, groceries	1,103 14
Thomas Groom & Co., stationery	25 63
J. E. Giroux, milk	3 42
W. A. Greenough & Co., directory	22 00
A. C. Gordon, office sign	2 50
C. H. Goldthwaite & Co., linen hose	14 35
A. Hamilton, groceries	52 00
City of Haverhill, aid to poor	49 60
The G. F. Harvey Co., medicine	12 17
Jordan Marsh Co, dry goods	27 59
Bridget Keating, allowance	30 00
H. L. Kyes, groceries	112 00
C. R. King, groceries	241 00
Mrs. Mary A. Leonard, allowance	78 20
M. D. Lewis, groceries	395 00
M. D. Lovering, groceries	421 00
Howard Lowell & Son, carriage hire	18 50
Library Bureau, index cards	6 54
James H. Maguire Co., groceries	473 00
Munroe Pharmacal Co., medicine	131 77
Mary Murray, board	78 20
City of Medford, aid to poor	434 06
Alfred E. Mann, burial	79 00
G. F. McKenna & Son, burial	13 00
City of Malden, aid to poor	50 00
Jeremiah J. McCarthy, rent	10 00
Massachusetts Charitable Eye and Ear Infirmity, glasses	85
City of Marlborough, aid to poor	2 00
Frank E. Morrison, groceries	34 00
New England Telephone & Telegraph Co., service	105 80
North Packing and Provision Co., groceries	357 50
Edith M. Nutt, board	51 72
City of Newton, aid to poor	32 38
Georgina Nurse, board	52 56
North Cambridge Relief Association, al- lowance	3 14
Phillips Bros. & Co., furniture	20 00
Frederic H. Perry, stationery	6 35
Town of Revere, aid to poor	106 85
Remington Typewriter Co., adjusting machine, ribbons	4 10
Town of Reading, aid to poor	587 77
City of Salem, aid to poor	4 50
R. M. Sturtevant, groceries	1,356 00
W. H. Smith, groceries	61 60
Catherine Smith, allowance	88 00
F. Simon, groceries	150 00
Hattie G. Sellen, board	52 17
Somerville Hospital, sick poor	1,837 55
City of Somerville, contagious hospital treatment	51 43
Amount carried forward	<hr/> \$33,329 90

Amount brought forward	\$33,329 90	
Somerville Journal, printing	34 25	
State Board of Charity, aid to poor . .	62 00	
Somerville Visiting Nursing Association, nursing	157 75	
Mrs. Hattie Thorndike, allowance . . .	52 17	
City of Worcester, aid to poor	7 14	
F. M. Wilson, burial	15 00	
Washingtonian Home, board	40 00	
Town of Winchester, aid to poor	144 00	
George W. Wood, groceries	130 00	
Benjamin E. White, groceries	594 50	
Wellington Wild Coal Co., fuel	1,014 69	
York County Children's Aid Society, board	38 28	
	<hr/>	
	\$35,619 68	
Refunds: Sundry persons, money refunded	57 00	
	<hr/>	
		\$35,562 68

Poor Department, City Home.

CREDIT.

Appropriation	\$11,000 00
Excess and Deficiency account, balance transferred	198 05
	<hr/>
	\$11,198 05

DEBIT.

(Expenditures.)

Cash, paid J. Foster Colquhoun, salary as warden	\$850 00
J. Foster Colquhoun, cash paid out . .	114 11
Mrs. Catherine Colquhoun, salary as matron	500 00
Jean M. Hutchins, bookkeeping	50 00
Sundry persons, house help	1,353 05
Sundry persons, farm help	1,407 00
Acton Farms Milk Co., skim milk	3 65
Boston Plate & Window Glass Co., glass	12 28
Brown, Durrell Co., handkerchiefs and sweaters	26 69
C. J. Bailey & Co., blankets and sheeting	12 87
James Breck & Sons, farm supplies . .	131 07
John Briggs & Co., putty	9 80
Barrett Mfg. Co., creonoid	4 17
Harry W. Bowers, shirt	50
Braman, Dow & Co., tees	35
M. J. Barron, window shades	6 45
Cambridge Ice Co., ice	111 15
Chase & Sanborn, coffee and tea	182 27
Cunningham Grain Co., grain	185 51
The Carleton-Clark Co., poultry supplies	9 60
Henry N. Clark & Co., supplies	10 16
	<hr/>
Amount carried forward	\$4,980 68

Amount brought forward	\$4,980 68
Charles F. Crocker, berries	1 35
Cotter & Son, expressing	1 45
Frederick J Caldwell, pillows	15 00
Eastern Drug Co., drugs	23 36
Edison Electric Illuminating Co., lamps	1 70
L. C. Fisher & Co., oranges	3 25
Fox Bakery, bread	468 78
Dr. W. E. French, extracting tooth . .	50
Farley, Harvey & Co., dry goods . .	219 84
R. & J. Farquhar Co., seeds	4 51
Fottler, Fisk, Rawson Co., seeds . .	30 56
James Forgie's Sons, supplies	9 25
Gilmore & Co., produce	148 65
Gilman Express Co., expressing . . .	13 40
Thomas J. Gray Co., seeds	19 67
G. H. Gurney, brushes	6 03
C. H. Goldthwaite & Co., belt and tubing	3 40
H. E. Gustin Sons, potatoes	34 50
C. H. Goldthwaite, vinegar	10 18
Percy A. Hall, medicine	77 69
Highland Coal Co., lime	5 00
Haskell, Adams Co., groceries . . .	143 35
Dr. William H. Hitchings, veterinary services	32 00
C. P. Holmes, boxes	100 32
A. H. Hews & Co., pots	10 50
Horlick's Malted Milk, malted milk .	4 00
Hopkinson & Holden, baskets	3 50
Henry S. Harris & Son., stock food .	3 50
Jordan Marsh Co., kitchen ware and crocery	96 20
Jaquith & Co., pulp	36 56
Amos Keyes & Co., pullets and butter	121 93
Louis Lipofsky, repairing suit	1 25
Library Bureau, cards	1 71
George W. Ladd, horse shoeing . . .	44 60
Loose-Wiles Biscuit Co., crackers . .	79 35
Lord & Webster Co., hay	326 52
T. E. Littlefield, lumber	23 40
W. E. A. Legg & Co., seeds and plants	6 64
A. C. Libby & Sons, books and pads .	4 23
William Leavens Co., chairs	9 50
Massachusetts State Prison, shoes, jumpers, underwear, brushes and dusters	320 25
McGreenery & Manning, pipes and to- bacco	16 64
Middlesex County, House of Correc- tion, brooms	4 50
Miley Soap Co., soap	51 45
Fred L. Moses, rubber matting . . .	62 66
Massachusetts Reformatory, blankets	25 00
Medford St. Market, lard	6 25
Market Supply Co., boxes	9 72
Joseph P. Manning Co., tobacco . .	46 26
Amount carried forward	<hr/> \$7,670 54

Amount brought forward	\$7,670 54
Martin & Wood, sharpening tools	5 60
North Packing & Provision Co., pork and lard	70 66
Nay & Taylor, ice cream	2 85
New Eng. Tel. & Tel. Co., service	52 48
New England Mfg. Co., butterine	131 68
J. S. Newcomb Co., provisions	993 55
New England Produce Co., butterine	41 15
Harry Ossman, shoe repairs	10 80
National Biscuit Co., crackers	9 75
Mitchell, Wing Co., soap	23 31
Edgar A. Murray, insecticide	14 00
Charles L. Phillips, pig	6 00
W. E. Plumer & Co., oil and brushes	9 92
A. H. Proctor & Co., hay, meal and grain	288 14
E. Augustus Proctor, fish	135 14
Proctor Bros. Grain Co., oats	86 55
J. R. Poole, butterine	20 58
Pierce, Austin-Caswell, Livermore Co., fish	21 39
Pittsburgh Plate Glass Co., glass	1 05
Pneuvac Co., cleaner	8 50
Renner's Express Co., express	1 00
Refuse Disposal Department, garbage	25 20
John B. Rufer, horseshoing	106 00
J. W. Roberts Co., groceries	382 33
Rockingham Milk Co., milk	2 00
Reformatory for Women, underwear	27 50
Parke, Snow, dry goods	62 16
B. S. Snow Co., fish	29 11
E. S. Sparrow Co., paints and hardware	43 88
John P. Squire & Co., shavings	15 25
C. L. Stevens, groceries	201 75
E. D. Sawyer, lumber	3 00
City of Somerville, garbage	243 20
Somerville Wood-Working Co., shavings	23 20
Charles T. Sullivan, repairing	6 45
Somerville Journal Co., printing	4 25
Somerville Publishing Co., printing	2 00
F. W. Spear, empty cases	2 00
T. F. & W. W. Taff, medicine	5 00
A. S. Tyler, milk	106 20
George H. Thayer, boots and shoes	5 00
E. A. Tilton, horseshoeing	12 00
Tyler Rubber Co., ice bag	25
W. J. Wiley, hardware	71 87
Welt Tool Co., case opener	85
West Disinfectant Co., disinfectant	6 00
Whittier Woodenware Co., cando, weeder and brooms	20 03
Washburn-Crosby Co., flour	44 25
Wilbur Stock Food Co., hog tonic	3 50
Frank W. Wasson, medicine	2 84
Whitcomb Metallic Bedstead Co., beds	44 65
A. Young, live stock	52 50
	<hr/>
	\$11,158 86
Water Maintenance account, supplies	41 39
	<hr/>
	\$11,200 25
Refund: S. Kasperorisez, wages unearned	2 20
	<hr/>
	<u>\$11,198 05</u>

Public Buildings Department, Maintenance City Home Buildings.

CREDIT.

Appropriation	\$2,000 00
Playgrounds Extension account, amount transferred	1,049 90
	<hr/>
	\$3,049 90
Excess and Deficiency account, balance transferred .	156 27
	<hr/>
	\$3,206 17

DEBIT.

(Expenditures.)

Cash, paid labor	\$309 29
F. C. Ayer, lumber	3 08
Cambridge Gas Light Co., gas	38 16
Carlisle-Ayer Co., blinds	12 20
Fred J. Caldwell, desk	14 50
H. N. Dearborn, painting	604 22
Edison Electric Illuminating Co., light- ing	223 18
Glines Express Co., expressing	25
Charles H. M. Hunnewell, plumbing	16 19
Highland Coal Co., lime	6 83
J. J. Hurley & Co., repairing heating ap- paratus	12 80
Jackson & Newton Co., sash, doors, blinds, etc.	54 40
T. E. Littlefield, lumber	282 30
G. F. McKenna & Son, teaming	8 00
P. J. Mooney, plumbing	292 78
J. T. Newton, electric work.	85 58
Standard Charcoal Co., charcoal	30 60
Charles H. Sanborn, repairing heating apparatus	7 20
Somerville Wood Working Co., lumber and labor	100 29
E. S. Sparrow & Co., hardware	82 51
James M. Simpson & Co., lumber	36 03
William J. Wiley, plumbing	16 76
Wellington-Wild Coal Co., fuel	969 02
	<hr/>
	\$3,206 17

Somerville Hospital.

CREDIT.

Appropriation	\$5,000 00
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DEBIT.

(Expenditures.)

Cash, paid for support of sick poor	\$5,000 00
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SOLDIERS' BENEFITS.**Soldiers' Relief.**

CREDIT.

Appropriation	\$21,000 00
Excess and Deficiency account, balance transferred	189 83
	<hr/>
	\$21,189 83

DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay rolls	\$21,219 83	
Refunds: Sundry persons, money not called for	30 00	
		<u>\$21,189 83</u>

Military Aid.

CREDIT.

Appropriation	\$400 00	
Excess and Deficiency account, balance transferred	16 00	
		<u>\$384 00</u>

DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay rolls	\$384 00	
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State Aid.

CREDIT.

Appropriation	\$15,000 00	
Excess and Deficiency account, balance transferred	580 00	
		<u>\$14,420 00</u>

DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay rolls	\$14,428 00	
Refunds: Sundry persons, money not called for	8 00	
		<u>\$14,420 00</u>

Soldiers' Burials.

CREDIT.

Appropriation	\$700 00	
Excess and Deficiency account, balance transferred	100 00	
		<u>\$600 00</u>

DEBIT.

(Expenditures.)

Cash, paid John H. Dusseault, services as burial agent	\$24 00	
John Bryant's Sons, burials	96 00	
Daniel P. Danehy & Sons, burial	48 00	
W. A. Flaherty & Son, burial	48 00	
W. A. Frink, burials	96 00	
W. T. Gill, burial	48 00	
J. Henry Hartwell & Son, burial	48 00	
Keating & Mitchell, burial	48 00	
John S. McGowan, burial	48 00	
Vinal & Barden, burial	48 00	
Francis M. Wilson, burial	48 00	
		<u>\$600 00</u>

EDUCATION.**School Contingent.**

CREDIT.

Appropriation	\$34,000 00	
Excess and Deficiency account, balance transferred	75 13	
		<u>\$34,075 13</u>

DEBIT.

(Expenditures.)

Cash, paid Charles S. Clark, salary as superintendent of schools	\$3,490 00
Retirement fund	10 00
	<hr/>
	\$3,500 00
Disbursements	454 28
Travel expenses, Cincinnati and Gary, Ind.	143 75
Justin W. Lovett, assistant to superin- tendent	1,300 00
Mary A. Clark, assistant	800 00
Mildred A. Merrill, assistant	650 00
Benjamin R. Jones, truant officer	1,350 00
Disbursements	14 70
Edith Benson, clerical services	12 00
Harriet Brittain, clerical services	12 00
Wesley A. Maynard, taking school cen- sus	94 94
Edward Coogan, taking school census	9 16
Elisabeth S. Webster, taking school census	88 24
Francis J. Mahoney, taking school cen- sus	25 55
Frank J. Maloney, taking school census	50 84
John Dardis, Jr., taking school census	28 93
Mary Webster, taking school census	57 14
Mary A. Donovan, bath attendant	6 20
Leon W. Bateman, labor	3 00
American Watch Tool Co., supplies	1 25
American Book Co., books	1,109 39
D. Appleton & Co., books	280 65
John A. Avery, disbursements	56 47
Allyn & Bacon, books	67 40
American School Board Journal, books	12 00
Adams, Cushing & Foster, supplies	1,258 16
Atkinson, Mentzer & Co., books	74 31
Angell Co., supplies	4 50
Allen Doane & Co, Inc., supplies	7 45
Harold J. Anderson, helper unpacking school supplies	1 70
A. R. Andrews, supplies	10 00
American Type Founders Co., supplies	650 01
Edward E. Babb & Co., books and sup- plies	4,909 06
C. C. Birchard & Co., books	431 97
Beck Duplicator Co., supplies	8 29
Brown-Howland Co., supplies	59 10
Milton Bradley Co., supplies	634 35
Baker School Specialty Co., repairing	11 75
Bumpus & Cook, supplies	57 91
Elizabeth J. Baker, disbursements	2 00
City of Boston School Committee, tui- tion	219 00
F. J. Barnard & Co., binding reports	911 02
C. S. Binner Corp., printing	31 80
	<hr/>
Amount carried forward	\$19,410 27

Amount brought forward	\$19,410 27
Mary Henleigh Brown, disbursements	69 23
Bruce Publishing Co., books	2 50
Butterick Publishing Co., books	1 40
Braman Dow & Co., supplies	19 09
Caroline G. Baker, disbursements	2 00
J. G. Blount Co., supplies	29 25
Brown Durrell Co., supplies	18 96
A. F. Bird, repairing	3 50
Mary G. Blackwell, disbursements*	1 80
George I. Bowden, disbursements	8 71
L. J. Brooks, disbursements	2 10
Boulevard Auto Co., auto hire	48 00
Wm. G. Bell Co., refrigerator	103 32
M. D. Berlitz, books	20 33
Bobbs-Merrill Co., books	1 00
H. C. Berger, supplies	70
Chas. E. Berry repairing	1 00
Chandler & Farquhar Co., supplies	58 71
Cotter & Son, expressing	52 95
Carter's Ink Co., supplies	45 63
S. H. Chamberlain, supplies	1 02
N. H. Crowell, supplies	18 65
Chandler Shorthand Publishing Co., books	120 70
John Carter & Co., supplies	20 05
Current Events, books	40
Cambridge Gas Light Co., supplies	14 75
Chandler & Barber, supplies	14 82
W. J. Carroll, supplies	4 50
Central Scientific Co., supplies	170 64
E. T. Curtis Co., supplies	113 74
J. Caldwell & Co., supplies	6 00
Columbia Graphophone Co., supplies	80
C. H. Congdon, books	90 25
E. P. Dutton, books	12 25
Andrew Dutton Co., supplies	7 35
Decatur-Caddick Lumber Co., supplies	17 02
A. L. Doe, disbursements	8 20
Davenport-Brown Co., supplies	89 36
Dennison Mfg. Co., supplies	2 70
Educational Publishing Co., books	28 04
John S. Emerson, disbursements	22 10
Eimer & Amend, supplies	89 25
B. F. Elwell Glue Co., supplies	6 83
Joseph A. Ewart, disbursements	13 80
Eastern Drug Co., supplies	8 90
M. Abbott Frazer Co., supplies	4 00
A. Flanagan Co., books	12 80
Frost & Adams Co., tracing cloth	201 74
The Furniture Mfr. and Artison, books	1 00
Farley & Harvey Co., supplies	1 37
Fibre Specialty Mfg. Co., waste baskets	3 43
W. F. Fleming, supplies	3 75
John P. Fiske, supplies	18 30
Fairbanks Co., supplies	4 38
Amount carried forward	\$21,033 34

Amount brought forward	\$21,033 34
The Florence Co., supplies	33 00
Ginn & Co., books	2,308 39
Chas. F. Giles, supplies	55
Gilman Sq. Fish Market, supplies	1 50
Geo. B. Graff Co., supplies	1 50
Gilman Express Co., expressing	23 45
Albert Griffiths Saw Co., supplies	10 46
Gulf Refining Co., supplies	4 50
Glines Express Co., expressing	2 90
W. A. Greenough & Co., books	8 00
A. C. Gordon, supplies	3 30
Joseph E. Greene Co., supplies	53 47
Thos. Groom & Co., printing	22 00
D. C. Heath & Co., books	507 99
Thos. Hall, supplies	2 50
J. L. Hammett Co., supplies	1,128 19
Hill-Michie Co., auto hire and supplies	55 73
A. L. Haskell, printing	172 15
J. B. Hunter Co., supplies	988 62
Hadley School Committee, tuition	82 50
Harvard University, books	8 00
Houghton Mifflin Co., books	566 80
Hobbs & Warren, supplies	13 25
L. R. Holland, repairing	54 60
John Hood Co., supplies	25 00
H. F. Hathaway, disbursements	3 50
Abigail P. Hazleton, disbursements	95
Hopkinson & Holden, supplies	44 83
J. W. Howard, supplies	10 75
Homer Bros. & Muir Co., supplies	13 50
Mary Ingraham, pianist at High School graduation	15 00
S. A. Johnson, disbursements	2 50
Jaynes Drug Co., supplies	72 86
Jordan Marsh Co., supplies	98 07
Geo. T. Johnson, supplies	9 00
Kenney Bros. & Wolkins, supplies	147 26
Chas. Ludlam, supplies	1 70
Lyons & Carnahan, books	23 24
Library Bureau, supplies	24 66
Little, Brown Co., books	28 99
E. L. Lovering, repairing	16 25
Liquid Carbonic Co., supplies	3 50
Wm. Leavens & Co., supplies	6 75
Andrew J. Lloyd Co., supplies	3 50
Henry F. Miller & Sons Piano Co., supplies	10 50
Moore Bros. Co., supplies	9 00
F. W. Martin Co., engrossing and printing	272 01
B. L. Makepeace, supplies	16 68
Marine Biological Laboratory, supplies	7 51
Middlesex County, board of truants	718 40
E. Minor Morse, principal, supplies	3 14
Paul C. McGowan, unpacker in school supplies	1 70
Amount carried forward	<hr/> \$28,677 44

Amount brought forward	\$28,677 44
Masury-Young Co., supplies	3 00
G. F. McKenna & Son, expressing	52 75
Chas. E. Merrill, books	5 30
Marshall Son & Co., supplies	23 15
Arthur J. Marchant, disbursements	6 10
N. E. Oxygen Co., supplies	2 35
N. E. Tel. & Tel. Co., service	197 65
Neostyle Co., supplies	271 60
New England Dressed Meat & Wool Co., supplies	1 50
North Packing & Provision Co., sup- plies	70
Oliver Ditson Co., supplies	34 43
Oliver Typewriter Co., repairing	93
Oliver Machinery Co., supplies	108 00
W. E. Plumer & Co., supplies	115 47
Parker & Page Co., supplies	4 04
Prospect Hill Market, supplies	1 10
L. A. Penney, supplies	14 68
Remington Typewriter Co., repairing	18 30
Geo. R. Reed, supplies	4 65
Royal Typewriter Co., repairing	1,040 00
A. P. Rockwood, use of carriage	19 00
Richards & Co., shears	43 32
Stone & Forsyth, supplies	37 86
Somerville Publishing Co., printing	398 08
Shattuck & Jones, supplies	4 15
Somerville Enterprise Publishing Co., printing	25 01
Somerville Journal Co., printing	879 94
Silver, Burdett & Co., books	26 91
Francis Supple, supplies	8 45
Singer Sewing Machine Co., supplies	276 00
Julia A. Simmons, books	9 00
Frank W. Seabury, disbursements	3 60
Stuart-Howland Co., supplies	58 30
Benjamin H. Sanborn & Co., books	50 48
Chas. Scribner's Sons, books	1 55
Shepard, Clark Co., dishes	19 26
Jas. M. Simpson & Co., supplies	41 47
Sullivan's Somerville Express, express- ing	85
A. Storrs & Bement Co., supplies	7 60
Somerville Y. M. C. A., use of gym- nasium	60 00
Simplex Elec. Heating Co., repairing	1 35
Training School at Vineland, N. J., sup- plies	2 20
Teachers' College, N. Y., books	1 50
Teachers' College, Columbia, books	9 51
The Thread Agency, supplies	3 40
Underwood Typewriter Co., supplies	5 00
Union Paste Co., supplies	6 00
Underwood & Underwood, supplies	34 30
Martin E. Vorce, subscription	5 00

Amount carried forward \$32,622 23

Amount brought forward	\$32,622 23	
Wellington-Wild Coal Co., supplies	4 49	
Winter Hill Motor Co., supplies	4 55	
John M. Woods & Co., lumber	1,041 94	
World Book Co., books	4 96	
Wadsworth Howland Co., Inc., supplies	102 56	
Geo. M. Wadsworth, disbursements	5 90	
M. J. Wendall, disbursements	2 50	
F. S. Webster Co., supplies	5 16	
Whitney & Snow, supplies	6 50	
Wm. H. Woods Co., supplies	11 86	
Mitchell Woodbury Co., dishes	145 78	
W. A. Wood Co., supplies	65	
Ward's, supplies	10 00	
F. W. Woolworth & Co., supplies	2 01	
Wright & Ditson, supplies	16 55	
Otis L. Wakefield, engrossing	20 00	
Yawman & Erbe Mfg. Co., supplies	67 49	
		<u>\$34,075 13</u>

School Teachers' Salaries.

CREDIT.

Appropriation	\$340,000 00
Excess and Deficiency account, balance transferred	45 86
	<u>\$339,954 14</u>

DEBIT.

(Expenditures.)

Cash, paid school teachers' salaries	\$339,954 14
(Including retirement fund, \$4,377 99.)	

Public Buildings Department, Maintenance School Buildings.

CREDIT.

Appropriations	\$76,500 00
Appropriations, Supplementary Budget	5,250 00
Contingent Fund account, amount transferred	2,500 00
	<u>\$84,250 00</u>

Amounts transferred to the following accounts:—

Central Heating Plant	\$3,158 28
High School Addition	3,125 96
High School Addition, furnishing and equipment	7 13
	<u>6,291 37</u>

	\$77,958 63
Excess and Deficiency account, balance transferred	18,344 14
	<u>\$96,302 77</u>

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$30,759 17
Labor	2,742 95
Joseph Young, pension	507 00
	<u>\$34,009 12</u>
Amount carried forward	\$34,009 12

Amount brought forward	\$34,009 12
F. C. Ayer, lumber	559 39
American Express Co., service	19 23
John H. Adcock, plumbing	173 42
American Seating Co., castings	27 33
Armstrong Bros., plumbing	374 10
George A. Ayer, plumbing	318 29
American Metal Polish Co., putz cream	5 40
Atlantic Clock Co., repairing	120 69
Ashton Valve Co., valves	11 30
Builders' Iron & Steel Co., iron stairs fire escape	200 00
Edward P. Brock & Co., Inc., frame and parts for grate	37 21
Charles E. Berry, iron work	8 55
Baker School Specialty Co., furniture for school	357 15
Michael Bowdren, gardening	110 00
Thomas D. Bennett, harness work	50
A. & E. Burton Co., dusters	144 90
Edward H. Barter, repairing clocks	13 00
J. A. Bremner & Co., Inc., painting and hardware	147 00
Francis H. & Chas. W. Boyer, ideal coal savers	30 45
Boston Varnish Co., interior finish	52 80
Boston Belting Co., steam hose	3 37
The Bruce Publishing Co., school board journal	1 50
C. Bowen, teaming	3 50
C. H. Batchelder & Co., Inc., duck	4 10
Boston Feather Duster Co., duster	20 70
Cambridge Gas Light Co., gas and range	1,392 42
Charlestown Gas & Elec. Co., gas	288 64
L. E. Clayton, cheese cloth	18 56
Jackson Caldwell & Co., furnishings	937 86
Carpenter-Morton Co., paint	51 89
Cotter & Son, expressing	14 15
Samuel Cabot, Inc., stain	6 50
Bernard S. Coddling, repairing clock	18 50
M. P. Canfield, gardening	52 50
S. H. Couch Co., Inc., repairing phones	192 98
A. F. Carpenter, rock salt	25
Conway's Somerville Express, service	50
Connell & McGlone Co., repairing auto	140 03
John W. Cremen, wharf inspection	26 00
Continental Grate Co., grate furnishings	2 80
C. W. Cahalan, plumbing	8 78
Richard J. Clark, repairing roof	86 60
Carlisle-Ayer Co., door and frames	6 20
City of Somerville, highway assessment	91 05
James Duncan, repairing chairs	72 90
John H. Derby, repairing clock	17 00
Dalton & Ingersoll Mfg. Co., plumbing supplies	105 00
Herbert E. Dawes, shades	37 45
Amount carried forward	<hr/> \$40,321 56

Amount brought forward	\$40,321 56
J. D. Douglas & Co., repairing roof	153 13
H. N. Dearborn, interior painting	315 00
Edison Elec. & Ill. Co., lamps, lighting	5,805 17
J. H. Edwards, iron work	17 00
Egyptian Spray Mfg. Co., sweeping composition	6 00
Enterprise Rubber Co., gaskets	43 55
James H. Fannon, granolithic and concrete work	361 43
Fred W. Farrar, repairing clocks	61 00
F. C. Fuller & Co., hardware	135 99
W. F. Flemming, rent of chairs	22 75
The Grant Nail & Supply Co., belting and labor	92 22
Globe News Co., advertising	1 65
Glines Express Co., service	57 00
Gilman Express Co., service	6 77
J. E. Grundy & Co., repairing air pump	7 80
Joseph E. Greene Co, electrical supplies	549 39
Gray & Turner, insurance	1,770 26
C. E. Gosse, repairing roofs	609 01
James A. Glass, banking enclosure	235 00
Chas. H. Gillespie & Sons, paint remover	2 85
Grimmons, Bailey-Weston Co., shades	10 80
A. C. Gordon, painting	102 05
Walter J. Godfrey, painting	450 00
T. J. Gile, oil	7 00
Hemeon Bros., carpentry	2 82
Hinckley Rendering Co., soap powder	61 88
Holtzer-Cabot Elec. Co., repairing electric bell	2 55
Chas H. M. Hunnewell, plumbing	71 06
J. J. Hurley & Co., repairing boiler	859 91
Wm. S. Howe, hardware, plumbing	8 48
Hartford & Smith, repairing door checks, etc.	16 15
Hodge Boiler Works, repairing boiler	65 80
Boston Herald, Inc., advertising	1 80
Hill-Michie, Inc., storage and repairing auto	313 20
A. W. Hastings & Co., window frames	2 25
H. M. Hillson Co., wire	3 00
James Hayden, carpentry	4 60
Edgar O. Hunt, shovel	1 00
Highland Coal Co., cement and lime	40 03
Highs., New Sts. account, assessment	163 75
Hosmer & Wedgwood, insurance	7 50
Nina F. Harris, disbursements	3 25
Haywood Bros. & Wakefield Co., ink-wells	6 00
India Alkali Works, marble cleaner	6 00
Ideal Supply, atlas seat	4 61
George L. Janvrin, repairing clock	10 50
Amount carried forward	<hr/> \$52,800 52

Amount brought forward	\$52,800 52
Frank J. Jameson, sponges	25 00
Johnson Service Co., regulator	55 35
Jackson & Newton Co., door	4 50
H. James & Son, Inc., soap	8 00
H. W. Johns-Manville Co., boiler pre- servative	71 03
Kenney Bros. & Wolkins, school fur- niture	1,502 46
John Kennedy, plastering	35 41
E. F. Kenney Co., sand and sawdust	31 40
E. & F. King Co., soda ash	15 12
R. A. Keyes, hire of auto	25 00
John H. Kelley, reimbursement	20 00
Howard Lowell & Son., board of horse	336 65
T. E. Littlefield, lumber	107 24
Link-Belt Co., belt links, etc. . . .	4 19
George W. Ladd, repairing	1 80
J. E. Locatelli Co., cement work	1,053 70
Leavis & Doherty, plumbing	254 41
E. L. Lovering, repairing and tuning piano	7 00
Wm. Leavens & Co., furniture	140 00
John Lingard, painting	454 00
Wm. Little & Sons, gardening	10 00
T. F. McGann & Sons Co., repairing and refinishing	37 98
Daniel McIntyre, gardening	36 25
George W. Manning, labor on flag poles	80 60
Arthur T. McGilvray & Co., batteries	4 60
Martin & Wood, electrical supplies	225 21
James L. Maguire, salt	1 75
P. J. Mooney, plumbing	42 10
B. L. Makepeace, blueprints	2 64
Moroney's Express, service	2 25
G. F. McKenna, teaming	607 00
J. Edward L. McLean, carpentry	1,259 72
Charles F. Mills, ladders	10 00
C. J. Miers, roofing	23 80
F. W. Merrill, electric work	58 66
McKenney & Waterbury Co., lighting fixtures	515 00
A. F. McLellan, repairing and cleaning	4 11
C. W. H. Moulton Co., step ladder	27 50
Martin & Clark, roofing	167 25
Meek Oven Co., gas oven	254 25
Morandi-Proctor Co., cooking apparatus	551 00
J. T. Newton, electrical work	316 02
Norton Door Check Co., repairing	64 05
New England Tel. & Tel. Co., service	698 50
James W. O'Neil, plumbing	39 00
Patrick J. O'Neil, gardening	4 50
John F. O'Brien, inspecting and weigh- ing coal	40 00
Pittsburgh Plate Glass Co., glass	204 92
Boston Post Co., advertising	1 65
Amount carried forward	<u>\$62,243 09</u>

Amount brought forward	\$62,243 09
W. E. Plumer & Co., hardware	33 58
A. W. Phillips, masonry	15 38
A. M. Pillsbury, carpentry	3 00
A. M. Pillsbury, carpentry	3 00
Pierce, Butler & Pierce Mfg. Co., boiler fittings	2 00
Pettingell-Andrews Co., installing recep- tacles	29 00
Roberts Iron Works Co., boiler plates and caps	531 34
Renner's Express, service	90
F. M. Rogers, painting	260 00
Somerville Publishing Co., Inc. adver- tising	1 32
Daniel Sullivan, oil	16 68
B. F. Sturtevant Co., chain drive	139 72
E. S. Sparrow & Co., hardware	353 07
Somerville Enterprise, advertising	3 50
Somerville Journal Co, advertising	5 00
Standard Charcoal Co., charcoal	18 00
Somerville Wood-Working Co, lumber and labor	600 26
Shepard Clark Co., school furnishings . .	214 50
P. Sutherland & Co., motor oil	60 89
C. H. Sanborn, repairing heating system .	250 89
George S. Saunders & Co., hardware . . .	34 22
O. L. Storey Scenic Co. fireproof curtain .	305 60
Edwin F. Schroeder, veterinary services .	4 00
Somerville Industrial School for Boys, repairing	12 41
Swift & Co., soap	7 13
Daniel L. Shepard, masonry, etc.	733 57
Somerville Brush Co., brushes	56 35
James M. Simpson & Co., lumber	56 80
Frank E. Seavey, repairing roof	20 68
Harry Tobin, horseshoeing	23 50
Underhill Hardware Co., hardware	395 32
Wellington-Wild Coal Co., fuel	27,319 36
Mrs. Mary J. Whitney, mending flags . .	19 00
John K. Wells, chain	3 00
West & Dodge, belting	17 83
I. B. Walker, iron work	36 57
Frederick B. Witherly, grates	31 89
Walworth Mfg. Co., brushes	4 68
Wier & Grimes, springs	12 50
Henry A. Wheeler & Co., furnishings for schools	338 40
John M. Woods & Co., lumber	30 43
Asahel Wheeler Co., paints	208 81
H. W. Waite & Co., floor oil, dust layer .	287 99
Whitney & Snow, paints	59 98
William J. Wiley, truck	9 90
Arthur W. Walker, repairing clock	1 00
Wellesley Pnuematic Floor Oiler, floor oil	40 50
Amount carried forward	<hr/> \$94,943 95

Amount brought forward	\$94,943 95	
Henry R. Worthington, wrench	16	
Walsh Bros., work on High School (extra)	626 60	
J. Williamson, repairing furniture	97 50	
Waldo Bros, brick, etc.	33 50	
Charles A. G. Winther Co., Inc., glasses and washers	13 48	
L. A. Wright, bolts	2 50	
Joseph A. Wicks, interior painting	375 00	
	<hr/>	
	\$96,092 69	
Highways Maintenance account, cement, and trimming trees	23 37	
Sidewalks Construction account, cement	1 87	
Water Maintenance account, gasoline, service, pipe, etc.	192 34	
	<hr/>	
	\$96,310 27	
Refund: W. F. Fleming, bill paid twice	7 50	
	<hr/>	
		<u>\$96,302 77</u>

Bennett School Addition.

CREDIT.

Balance from 1913	\$166 71
Balance to credit of account, 1915	166 71

S. Newton Cutler School.

CREDIT.

Balance from 1913	\$1,269 79
Balance to credit of account, 1915	1,269 79

High School Addition.

CREDIT.

Balance from 1913	\$10,630 35
Maintenance School Buildings account, amounts transferred	3,125 96
	<hr/>
	\$13,756 31

DEBIT.

(Expenditures.)

Cash, paid Atlantic Clock Co., clocks	\$210 00
Walsh Bros., on account of contract	11,500 25
extra work	1,300 56
Harry E. Warren, on account of con- tract	745 50

\$13,756 31
High School Addition, Furnishing and Equipment.

CREDIT.

Balance from 1913	\$2,909 25
Maintenance School Buildings account, balance transferred	7 13
	<hr/>
	\$2,916 38

DEBIT.

(Expenditures.)

Cash, paid labor	\$46 50	
Eimer & Amend, chemical laboratory equipment	183 86	
Joseph E. Greene Co., electrical supplies	251 70	
J. B. Hunter & Co., hardware	129 98	
Leavis & Doherty, plumbing	290 40	
Henry F. Miller & Sons Co., grand piano and bench	609 00	
J. T. Newton, electrical work	202 00	
Pneumatic Hand Stamp Co., number plates and tags	91 85	
Richards & Co., punch and tongs	1 00	
Spencer Lens Co., microscopes, etc.	127 58	
Walsh Bros., extra work	982 51	
		<u>\$2,916 38</u>

Central Heating Plant.

CREDIT.

Balance from 1913	\$9,584 00	
Maintenance School Buildings account, amount transferred	3,158 28	
		<u>\$12,742 28</u>
Balance to credit of account, 1915	602 21	
		<u>\$ 12,140 07</u>

DEBIT.

(Expenditures.)

Cash, paid J. J. Hurley & Co., on account of contract	\$2,000 00	
J. T. Newton, electrical work	28 80	
Charles H. Sanborn, on account of contract	952 99	
Walsh Bros., concrete work	1,777 04	
on account of contract	6,000 00	
Masonry	1,381 24	
		<u>\$12,140 07</u>

Public School Trust Funds, Income.

CREDIT.

Balance from 1913	\$205 00	
Income from invested funds, S. Newton Cutler Fund	200 00	
		<u>\$405 00</u>
Balance to credit of account, 1915	319 50	
		<u>\$85 50</u>

DEBIT.

(Expenditures.)

Cash, paid Dodd, Mead & Co., book	\$85 50	
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LIBRARIES.**Public Library Construction.**

CREDIT.

Balance from 1913	\$4,408 07
Received from Andrew Carnegie	5,000 00
	<hr/>
	\$9,408 07
Building Public Buildings account, balance trans- ferred	46
	<hr/>
	\$9,407 61

DEBIT.

(Expenditures.)

Cash paid Art Metal Construction Co., steel cases	\$404 50
Cambridge Gas Light Co., service	44 23
Derby Desk Co., furniture	275 80
Herbert W. Doten, furniture	423 50
Edison Electric Illuminating Co., lamps.	156 91
Joseph E. Green Co., electric supplies	55 52
Kennedy & Peterson Construction Co., payment per contract	7,050 97
Pettingell-Andrews Co., installing re- ceptacle	97 00
Pneumatic Hand Stamp Co., bronze plates	12 00
Snead & Co., iron works, steel book stacks	387 66
Edward L. Tilton, professional services	499 52
	<hr/>
	\$9,407 61

Central Library.

CREDIT.

Appropriation	\$25,000 00
Union Square Branch Library account, amount transferred	300 00
	<hr/>
	\$24,700 00
Excess and Deficiency account, balance transferred	91
	<hr/>
	\$24,699 09

DEBIT.

(Expenditures.)

Cash, paid Drew B. Hall, salary as librarian	\$2,750 00
Expenses to American Library Association	63 35
Gertrude F. Root, circulation	194 02
Lucy B. Crain, children	899 93
Part expenses American Library club	26 10
Esther M. Mayhew, cataloger	767 11
Part expenses to American Library Association	26 60
	<hr/>
Amount carried forward	\$4,727 11

Amount brought forward	\$4,727 11
Bessie L. Duddy, secretary	748 08
Entrance to Massachusetts Library Club	22 50
Mabel Williams, reference	625 82
Anna L. Stone, cataloging	650 00
Sundays	3 00
Mary S. Woodman, classifying	650 00
Sundays	6 00
Marion Lovis, reference	289 34
Annise B. Kane, cataloging	138 44
A. Myrtle Merrill, cataloging	507 72
A. Lisette Parker, circulation	82 84
Anna B. Truesdale, circulation	154 39
Sundays	13 50
Esther W. Shaw, circulation	363 63
Expenses Massachusetts Library Club	2 50
Mary Morgan, typewriting	459 00
Mary L. Gormley, plating	345 00
Marian H. King, children	11 54
Mabel A. Downes, plating	35 00
Zoe E. Nelson, registration	230 52
Susan W. Curtis, children	474 42
Juliana Donovan, circulation	80 73
Sundays	16 50
Edna C. Woodbury, periodicals	109 65
Rose Greenberg, circulation	423 26
Expense Massachusetts Library Club	2 50
Sundays	1 50
Nectar M. Eksergian, circulation	499 98
Frances Rathbone Coe, revising	759 72
Mabel E. Bunker, reference	63 00
Sundays	63 53
Alice M. L. Patterson, attendant	1 80
Ruth L. Sawyer, attendant	380 74
Ethel M. Nute, circulation	15 00
Sundays	20 78
Esther P. Allen, children	10 50
Sundays	19 23
Nellie M. Whipple, assistant librarian	198 00
Margaret T. Desmond, plating and attendant	400 00
Helen Luitwieler, cataloging	80 00
Helen J. Shea, typewriting	32 78
Abby G. Glover, attendant	230 94
Edith B. Hayes, cataloging	96 00
C. Pearl Russell, typewriter	80 00
Esmeralda Biathrow, typewriting	88 00
Marion L. Fall, typewriting	60 00
Anna T. McNeill, plating	4 80
Helen F. Holahan, attendant	6 15
Bertha Robertson, attendant	92 24
Ruby G. White, circulation	77 93
Helen P. Smith, circulation	
Amount carried forward	\$14,455 61

Amount brought forward . . .	\$14,455 61
Lillian M. McGowan, plating . . .	48 00
Lucinda F. Spofford, branch librarian . . .	30 76
Elsie K. Wells, circulation . . .	69 24
Agnes C. Riley, attendant . . .	90
Alice G. Higgins, children . . .	35 89
Hugh E. Maguire, messenger . . .	345 00
Gordon Hall, stack . . .	394 67
Sundays . . .	2 10
Joseph K. Kelliher, messenger . . .	72 00
William J. Hession, attendant . . .	214 73
Sundays . . .	26 33
Walter Dickson, attendant . . .	72 02
Sundays . . .	15 30
George Anderson, attendant . . .	8 11
Sundays . . .	90
Andrew E. Hanni, attendant . . .	6 30
Albert Howard, Jr., attendant . . .	56 93
Sundays . . .	7 20
John Fadden, attendant . . .	4 32
Lawrence H. Gerritson, stack . . .	304 00
Sundays . . .	13 06
Allen F. Higgins, attendant . . .	3 60
American Express Co., expressing . . .	29 61
American Library Association, dues . . .	6 80
A. R. Andrews, supplies . . .	10 00
American Library Association Publish- ing Board, books . . .	7 42
Atlantis, books . . .	2 55
William Abbott, periodicals . . .	1 00
American Forestry Association, books . . .	1 15
Brown-Howland Co., cards . . .	146 02
C. C. Bailey Co., linoleum . . .	1 25
Myron A. Bruce, moving . . .	11 25
R. R. Bowker Co., periodicals . . .	7 52
Benjamin Express Co., express . . .	65
Edward E. Babb & Co., books . . .	34 14
Boston Book Co, books . . .	7 65
Francis H. Bacon & Co, teaming . . .	2 50
Bay State Paper Co., mounts . . .	1 00
H. M. Connor, books . . .	15 00
Carter Rice & Co., pockets . . .	4 75
C. E. Cobb, teaming . . .	16 25
L. E. Clayton, cheese cloth . . .	9 65
W. B. Clark Co., books . . .	28 67
Dodd Mead & Co., books . . .	171 00
De Wolf & Fiske Co., books . . .	3,731 81
Walter Dickson, moving . . .	24 00
Dadmun Co., photos . . .	1 50
W. J. Dobinson Engraving Co., photos . . .	11 50
The Essex Institute, books . . .	5 00
Elm Tree Press, books . . .	1 00
Fibre Specialty Mfg. Co., boxes . . .	6 90
Fraser A. Walker, express . . .	3 00
Fresh Pond Ice Co., ice . . .	17 55
Fitzherbert & Wing, periodicals . . .	25 06
Amount carried forward . . .	<hr/> \$20,530 12

Amount brought forward	\$20,530 12
Elmer M. Fisher, dress suit case . . .	1 00
W. J. Gardner Co., teaming	2 50
W. A. Greenough Co., books	11 00
Gilman Express Co., express	39 65
Glines Express Co., express	342 71
Globe Stamp Works, stamps	18 65
Thomas Groom & Co., supplies	194 86
Herman Goldberger, periodicals . . .	559 73
George B. Graff Co., supplies	1 40
Gaylord Bros., paper	3 00
Harper & Bros., books	21 30
Hobbs & Warren, account books . . .	2 12
J. W. Howard, plants	12 50
William J. Hession, moving	24 90
Allen F. Higgins, moving	17 25
Albert Howard, Jr., moving	18 00
L. A. E. Harding, agency	38 55
Harvard College Library, moving cases	12 00
Mary A. Haley, books	4 50
H. R. Huntting, books	36 47
International Text Book Co., books . .	8 49
Frank H. Jones, books	6 00
Frank J. Jameson, baskets	25 00
Albert Johnson & Co, blocks	20 00
Keramic Studio Publishing Co., periodicals	80
Aram A. Kazanjian, periodicals	17 50
Library Bureau, supplies	78 51
W. E. Lackey, periodicals	10 95
Library of Congress, cards	311 22
Library Art Club, assessment	6 00
George E. Littlefield, books	5 00
Macmillan Co., books	5 00
Maintenance School Buildings account, use High School Hall	15 00
Edward C. Martin, moving	11 55
Manual Arts Press, periodicals	1 05
Thomas Nelson & Sons, books	10 00
New England Tel. and Tel. Co, service .	115 20
N. E. Historical Genea. Society, periodicals	5 00
National Press Co., printing	58 50
National Education Association, membership	2 00
Nonotuck Silk Co., books	1 92
National Municipal League, periodicals	5 00
Old Corner Book Store, books	4 52
G. P. Putnam's Sons, books	5 80
Public Speaking Review, periodicals .	3 00
Playground and Recreation Association of America, periodical	2 85
Pan-American Union, periodical	2 00
Royal Typewriting Co., typewriter and rental	142 50
Ritter & Flebbe, books	20 02
Amount carried forward , , . .	<u>\$22,792 59</u>

Amount brought forward	\$22,792 59
Rand McNally Co., books	8 82
George Routledge & Sons, books	6 15
Schoenof Book Co., books	41 35
Charles Scribner's Sons, books	10 65
Somerville Journal Co., printing	308 90
A. Storrs & Bement Co., stationery	21 41
Somerville Post Office, postage	86 12
Somerville Publishing Co., printing	15 25
Stone & Forsyth, supplies	106 59
Sampson & Murdock Co., books	12 50
Special Libraries Association, periodicals	2 00
G. E. Stechert, books	12 66
Storyteller's Magazine, periodical	50
St. Louis Public Library, periodical	1 25
Sprague-Hathaway Co., framing	8 10
Topsfield Historical Society, books	1 84
C. W. Thompson Co., music	27 20
Thorpe's Express Co., express	2 10
Underhill Hardware Co., shellac, etc. . . .	1 05
University of Chicago Press, books and periodicals	6 52
Unpopular Review, periodical	1 50
F. B. Valpey, books	1 00
Women's Education Industrial Union, books	1 00
L. A. Wells, binding	1,364 72
H. W. Wilson Co., periodicals and books	16 05
Ward's, stationery	5 15
F. S. Webster Co., carbon paper	12 42
Williams Book Store, books	2 50
Yale Publishing Association, periodicals	3 25
	<hr/>
	\$24,881 14
Refunds:—	
Rent of High School Hall	\$15 00
Insurance premium	167 05
	<hr/>
	182 05
	<hr/>
	\$24,699 09

Public Buildings Department, Maintenance Central Library.

CREDIT.

Appropriation	\$3,400 00
Excess and Deficiency account, balance transferred	793 22
	<hr/>
	\$4,193 22

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$1,521 99
Labor	13 00
George A. Ayer, plumbing	10 50
Cambridge Gas Light Co., gas	48 88
	<hr/>
Amount carried forward	\$1,594 37

Amount brought forward	\$1,594 37
Carlisle-Connor Co., electric work	59 67
Cleghorn Co., flue brush	1 50
L. E. Clayton, cheese cloth	50
Derby Desk Co., furniture	12 00
Edison Elec. & Ill. Co., lighting	1,143 47
J. H. Edwards, supplies	3 15
Charles Ferguson, inspector of boiler	4 00
Glines Express, service	3 00
E. S. Kearney Co., sawdust	1 75
Kane Blind & Screen Co., screens	327 00
Library Bureau, book supplies	45 00
G. F. McKenna, teaming	15 25
Martin & Wood, keys	50
F. S. Payne Co., elevator repairs	8 85
Pettingell-Andrews Co., globe	3 00
P. Sutherland & Co., oil	2 25
Thompson & Spear, plumbing	66 94
Underhill Hardware Co., hardware	48 15
Wear Proof Mat Co., matting	37 96
H. W. Waite & Co., dust layer	9 39
Whitney & Snow, hardware	1 00
Wellington-Wild Coal Co., fuel	804 52
	<hr/>
	\$4,193 22

West Somerville Branch Library.

CREDIT.

Appropriation	\$6,500 00
Excess and Deficiency account, balance transferred	1 26
	<hr/>
	\$6,498 74

DEBIT.

(Expenditures.)

Cash, paid Nellie M. Whipple, assistant librarian	\$980 74
Mabel E. Bunker, reference	699 04
Expense Mass. Library Club	2 50
Bessie S. Cobb, circulation	599 96
Sundays	1 50
Ruth S Fales, circulation	479 77
Expense Mass. Library Club	2 50
Myrtle Nicholson	479 77
Hazel Moore, plating	304 00
Esther P. Allen, children	161 05
Beatrice Wilson, attendant	38 33
Ruth L. Sawyer, attendant	1 35
Anna B. Truesdale, children	267 79
Marion Lindsley, attendant	16 50
Alice M. L. Patterson, attendant	45
Elsie M. Abrams, attendant	16 50
Ronald Moore, attendant	82 58
Harold Ruggles, attendant	8 40
George Anderson, attendant	107 48
Joseph Kelleher, messenger	12 00
Gordon Hall, messenger	18 87
	<hr/>
Amount carried forward	\$4,281 03

Amount brought forward . . .	\$4,281 08
Brown-Howland, book cards . . .	8 65
R. R. Bowker, periodicals . . .	2 00
L. E. Clayton, cheese cloth . . .	2 78
Cambridge Ice Co., ice . . .	9 07
Dodd Mead & Co., books . . .	85 50
De Wolfe & Fiske Co., books . . .	1,275 36
W. A. Greenough Co., books . . .	7 00
Thomas Groom & Co., supplies . . .	26 55
Globe Stamp Works, stamps . . .	85
Herman Goldberger, periodicals . . .	261 95
Glines, Express Co., service . . .	19 25
H. R. Hunting Co., books . . .	8 75
J. W. Howard, wreaths . . .	6 25
Hobbs & Warren, supplies . . .	56
Library Bureau, supplies . . .	11 25
Thomas Nelson & Sons, books . . .	10 00
N. E. Tel. & Tel. Co., service . . .	28 52
Ritter & Flebbe, books . . .	4 80
Sampson Murdock Co., books . . .	6 50
Sprague Hathaway Co., frame . . .	60
Leslie H. Steele, periodicals . . .	6 96
Somerville Publishing Co., printing . . .	8 50
Stone & Forsyth, towels . . .	11 08
Somerville Journal Co., printing . . .	15 42
F. B. Valpey, books . . .	1 00
L. A. Wells, binding . . .	369 79
H. W. Wilson Co., periodicals . . .	12 70
West Somerville P. O., postage . . .	10 62
Williams Book Store, books . . .	5 40
	<hr/>
	\$6,498 74

**Public Buildings Department, Maintenance West Somerville
Branch Library.**

CREDIT.

Appropriation	\$1,700 00
Excess and Deficiency account, balance transferred	241 44
	<hr/>
	\$1,458 56

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$750 00
Labor	3 00
M. P. Canfield, gardening	22 00
Edison Elec. Illuminating Co., lighting	335 56
E. S. Sparrow & Co., hardware	2 25
Wellington-Wild Coal Co., fuel	345 19
	<hr/>
	\$1,458 00
Water Maintenance account, inspection poor pressure	56
	<hr/>
	\$1,458 56

East Somerville Branch Library.

CREDIT.

Appropriation	\$2,800 00
Excess and Deficiency account, balance transferred	41
	<hr/>
	\$2,799 59

DEBIT.

(Expenditures.)

Cash, paid Edith B. Hayes, branch librarian	\$566 93
Expense Mass. Library Club . . .	2 50
Ruby G. White, circulation . . .	507 72
Edna C. Woodbury, circulation . . .	434 45
Marion Hunt, attendant . . .	39 27
Grace Boothby, attendant . . .	42 27
Frances E. Haggens, attendant . . .	43 81
Doris W. Coyle, attendant . . .	16 21
Elsie M. Abrams, attendant . . .	5 55
Esther M. Mayhew, branch librarian .	30 76
Carrie L. Williams, branch librarian .	200 18
Edna D. Atwood, attendant . . .	8 78
Ethel G. McNeill, attendant . . .	7 05
Rose Greenberg, circulation . . .	79 27
Joseph K. Kelleher, messenger . . .	12 00
Gordon Hall, messenger . . .	18 10
Brown-Howland Co., book cards . . .	3 50
L. E. Clayton, cheese cloth . . .	2 43
De Wolfe & Fiske Co., books . . .	441 43
Glines Express, service . . .	19 00
Herman Goldberger, periodicals . . .	94 50
Thomas Groom & Co., supplies . . .	9 67
W. A. Greenough & Co., books . . .	4 00
H. R. Huntting, books . . .	8 75
Frank J. Jameson, basket . . .	1 25
Library Bureau, supplies . . .	3 18
Nangle Bros., periodicals, newspapers	6 72
N. E. Tel. & Tel. Co., service . . .	30 71
Sampson & Murdock Co., books . . .	6 50
W. F. Sanborn, periodicals . . .	5 91
Ritter & Flebbe, books . . .	2 24
Somerville Publishing Co., printing .	6 00
Somerville Journal Co., printing . .	10 89
Stone & Forsyth, towels . . .	2 52
Williams Book Store, books . . .	5 40
H. W. Wilson Co., periodicals . . .	5 00
L. A. Wells, binding . . .	115 14
	<hr/>
	\$2,799 59

**Public Buildings Department, Maintenance East Somerville
Branch Library.**

CREDIT.

Appropriation	\$650 00
Excess and Deficiency account, balance transferred .	37 47
	<hr/>
	\$612 53

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$260 00
Labor	1 00
Edison Elec. Illuminating Co., lighting .	48 00
Joseph E. Greene Co., electric work .	49
Edgar O. Hunt, oil heater	5 00
	<hr/>
Amount carried forward	\$314 49

Amount brought forward . . .	\$314 49	
Martin & Wood, electric work . .	1 87	
Estate of Safrona P. Roberts, rent of rooms . . .	220 00	
Wellington-Wild Coal Co., fuel . .	76 17	
		<u>\$612 53</u>

Union Square Branch Library.

CREDIT.

Appropriation	\$2,800 00
Central Library account, amount transferred . .	300 00
	<u>\$3,100 00</u>

DEBIT.

(Expenditures.)

Cash, paid Lucinda F. Spofford, branch librarian	\$767 10
Expense Mass. Library Club	2 50
Ethel M. Nute, circulation	219 23
Juliana Donovan, circulation	376 19
Agnes C. Riley, attendant	83 94
Bertha C. Mellett, attendant	41 34
Mabel E. Clough, attendant	3 30
Esther P. Allen, children	321 44
Lillian M. Irving, attendant	3 45
Expense Mass. Library Club	2 50
Mildred H. Thompson, attendant . . .	3 90
Esther M. Carroll, attendant	2 10
Elsie M. Abrams, attendant	5 85
Ruby Harper, attendant	8 10
Mary Morgan, typewriting	9 00
C. Pearl Russell, typewriting	8 00
Esmeralda Biathrow, typewriting . . .	8 00
Joseph K. Kelleher, messenger . . .	12 00
Gordon Hall, messenger	15 05
Brown-Howland Co., charging cards . .	10 08
L. E. Clayton, cheese cloth	2 43
E. M. Cox, periodicals	17 00
De Wolfe & Fiske Co., books	656 29
Herman Goldberger, periodicals . . .	138 95
Thomas Groom & Co., supplies	8 56
W. A. Greenough, books	4 00
Globe Stamp Works, stamps	70
H. R. Huntting, books	8 75
J. W. Howard, plants	2 50
Harper & Bros., books	13 50
Frank J. Jameson, basket	1 25
Library Bureau, periodicals	4 16
N. E. Tel. & Tel Co., service	30 41
Ritter & Flebbe, books	5 20
Somerville Publishing Co., printing . .	6 00
Somerville P. O., envelopes and stamps	21 24
Stone & Forsyth, towels	7 56
Somerville Journal Co., printing . . .	10 89
H. W. Wilson, books	5 00
Amount carried forward	<u>\$2,847 46</u>

Amount brought forward	\$2,847 46
Somerville Industrial School for Boys.	
boxes	3 25
Sampson & Murdock Co., books	6 50
Williams Book Store, books	5 40
L. A. Wells, binding	237 39
	<hr/>
	\$3,100 00

**Public Buildings Department, Maintenance Union Square
Branch Library.**

CREDIT.

Appropriation	\$900 00
Excess and Deficiency account, balance transferred	80 10
	<hr/>
	\$980 10

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$536 00
Labor	9 88
Michael Bowdren, gardening	6 25
Edison Elec. Illuminating Co., lighting	77 00
Joseph E. Greene Co., electric supplies	17 50
E. S. Kearney Co., burlap bag	60
Leavis & Doherty, plumbing	2 80
Martin & Wood, electric supplies	8 15
Pittsburgh Plate Glass Co., glass	1 29
Wellington-Wild Coal Co., fuel	320 63
	<hr/>
	\$980 10

PUBLIC LIBRARY TRUST FUNDS.

Public Library. Isaac Pitman Fund Income, Art.

CREDIT.

Balance from 1913	\$6 88
Cash, income from invested funds	160 00
	<hr/>
	\$166 88
Balance to credit of account, 1915	35 58
	<hr/>
	\$131 30

DEBIT.

(Expenditures.)

Cash, paid for books, Central Library	\$131 30
---	----------

Public Library, Isaac Pitman Fund, Income, Poetry.

CREDIT.

Balance from 1913	\$1 14
Cash, income from invested funds	40 00
	<hr/>
	\$41 14
Balance to credit of account, 1915	18 30
	<hr/>
	\$22 84

DEBIT.

(Expenditures.)

Cash, paid for books:—	
Central Library	\$22 84

Public Library, Martha R. Hunt Fund, Income, Art.

CREDIT.

Balance from 1913	\$52 50
Cash, income from invested funds	342 39
	<hr/>
	\$394 89
Balance to credit of account, 1915	44 89
	<hr/>
	\$350 00

DEBIT.

(Expenditures.)

Cash, paid Francis H. Bacon & Co., birch seat	\$350 00
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Public Library, Martha R. Hunt Fund, Income. Books.

CREDIT.

Balance from 1913	\$3 53
Cash, income from invested funds	494 77
	<hr/>
	\$498 30
Balance to credit of account, 1915	49 16
	<hr/>
	\$449 14

DEBIT.

(Expenditures.)

Cash, paid for books:—

West Somerville Branch	\$37 41
East Somerville Branch	211 38
Union Square Branch	200 35
	<hr/>
	\$449 14

Public Library, Frances A. Wilder Children's Department Fund, Income.

CREDIT.

Balance from 1913	\$17 35
Balance to credit of account, 1915	3 68
	<hr/>
	\$13 67

DEBIT.

(Expenditures.)

Cash, paid for books:

East Somerville Branch	\$13 67
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S. Newton Cutler Library Fund, Income.

CREDIT.

Balance from 1913	\$ 49
Cash, income from invested funds	40 00
	<hr/>
	\$40 49
Balance to credit of account, 1915	29 90
	<hr/>
	\$10 59

DEBIT.

(Expenditures.)

Cash, paid for books:—

Central Library	\$5 41
West Somerville Branch	5 18
	<hr/>
	\$10 59

Martha R. Hunt Fund, Art.

CREDIT.

From principal of fund	\$1,000 00
Balance to credit of account, 1915	702 77

 \$297 23

DEBIT.

(Expenditures.)

Cash paid P. P. Caproni & Bro., reliefs, etc.	\$139 23
F. M. Greene, pottery and lacquer	125 00
Jordan Marsh Co., pictures	33 00

 \$297 23
RECREATION.**Engineering Department, Parks Maintenance.**

CREDIT.

Appropriation	\$9,975 00
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DEBIT.

(Expenditures.)

Cash, paid laborers	\$5,152 44
F. C. Ayer, lumber	60 96
Charles E. Berry, repairing fence, etc.	59 93
C. W. Cahalan, repairing pipes, etc.	32 53
Clark Refining Co., road preservative	58 00
J. A. Durrell, scythe	65
Fresh Pond Ice Co., ice	22 31
James H. Fannon, payment for work	1,570 10
Fellows & Co., step ladder	2 40
Glines Express Co., expressing	15
E. M. Green, repairing auto	22 08
A. C. Gordon, glass	1 00
Thomas J. Gray Co., lawn mower	82 00
James Heggie, work in Broadway park	13 40
J. W. Howard, plants	912 29
Hemeon Bros., repairing steps, work on fountain, etc.	130 88
Harvard Vulcanizing Co., tubes and patches	3 45
H. W. Johns-Manville Co., hose	30 90
Knox Auto Co., repairing auto	83 40
Charles A. Kelley, labor	107 42
David W. Lewis, grate	2 13
George W. Ladd, repairing tools	1 90
Martin & Wood, sharpening and re- pairing mowers	28 00
C. H. Manzer, settee slats	21 83
Charles F. Mills, ladders	25 00
George W. Manning, raising top mast, splicing halliards	59 50
William J. McCarthy, crushed stone	10 13
Dr. Frank L. Morse, tire and oil	19 30
Mrs. K. Patri, repairing flag	3 00
W. E. Plumer & Co., rope	17 66

 Amount carried forward \$8,534 74

Amount brought forward	\$8,534 74	
Margaret A. Simpson, sand	50	
City of Somerville. sidewalk assessment	7 74	
E. S. Sparrow & Co., supplies	55 33	
Benjamin R. Twombly, rope	4 00	
James Tevlin, teaming	747 63	
L. A. Wright, repairing knife	1 50	
I. B. Walker, repairing mowers, etc.	7 41	
Whitney & Snow, paint	51 01	
Henry A. Wheeler & Co., flag	54 70	
Katharine W Wood, car fares	10 95	
	<hr/>	
	\$9,475 51	
Water Maintenance account, turning on water and repairs	21 22	
Sewers' Maintenance account, labor and teams	25 54	
City Engineer account, engineering serv- ices and inspection	445 80	
Highways Maintenance account, crushed stone	6 93	
	<hr/>	
		\$9,975 00

Public Buildings Department, Maintenance Park Buildings.

CREDIT.

Appropriation	\$500 00
Excess and Deficiency account. balance transferred	437 04
	<hr/>
	\$937 04

DEBIT.

(Expenditures.)

Cash, paid janitors	\$90 00
Labor	20 00
F. C. Ayer, lumber	15 00
Armstrong Bros., plumbing	52 51
C. W. Cahalan, plumbing	30
Cambridge Gas Light Co., piping and labor	108 18
P. E. Carrigan & Co., labor	55 45
Edison Elec. Illuminating Co., lighting	36 17
Glines Express Co., service	25
Leavis & Doherty, plumbing	331 46
G. F. McKenna & Son, teaming	8 00
George W. Manning, repairing gun car- riages	15 00
Manhattan Hand Laundry, laundry work	11 32
J. Edward L. McLean, carpentry	22 65
Martin & Wood, keys	1 12
William J. McCarthy Co., crushed stone	1 25
Pittsburgh Glass Co., glass	3 00
W. E. Plumer, hardware	50
E. S. Sparrow & Co., hardware	1 75
Swift & Co., Soap Works, soap	3 60
	<hr/>
Amount carried forward	\$777 51

Amount brought forward	\$777 51	
Underhill Hardware Co., hose mender	60	
Wellington-Wild Coal Co., fuel	102 30	
	<hr/>	
	\$880 41	
Water Maintenance account, replacing service	56 63	
	<hr/>	
		<u>\$937 04</u>

Engineering Department, Playgrounds Maintenance.

CREDIT.

Appropriation	\$3,300 00
Excess and Deficiency account, balance transferred	04
	<hr/>
	\$3,299 96

DEBIT.

(Expenditures.)

Cash, paid laborers	\$2,445 77
F. C. Ayer, lumber	71 96
Charles E. Berry, iron and labor	3 37
C. W. Cahalan, repairs	5 70
A. C. Gordon, glass	1 85
Hemeon Bros., building back stop, etc.	190 68
Highland Coal Co., lime	11 25
Knox Auto Co., repairing auto	47 15
John Lingard, glass	5 00
William J. Meskill, hose	22 40
Charles F. Mills, building seats	24 00
George W. Manning, raising flag and services	6 25
Estate P. O'Riorden, sand	6 56
W. E. Plumer & Co., dippers	80
W. A. Snow, iron works, gates, etc.	119 55
E. S. Sparrow & Co., hardware	2 60
James Tevlin, teaming	273 63
Wright & Ditson, bases	28 00
Whitney & Snow, supplies	7 68
I. B. Walker, hooks	3 40
Katherine W. Wood, car fares, etc.	8 30
	<hr/>
	\$3,285 90
Water Maintenance account, repairing fountain	14 06
	<hr/>
	<u>\$3,299 96</u>

Playgrounds Extension.

CREDIT.

Balance from 1913	\$1,798 35
Maintenance City Home Buildings account, amount transferred	1,049 90
	<hr/>
	\$748 45
Balance to credit of account, 1915	71 99
	<hr/>
	\$676 46

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber	\$232 07
Davenport-Brown Co., sawing stock . .	2 09
Denis I. Crimmings	68 58
Leavis & Doherty, constructing foun- tains, etc.	275 57
Charles F. Mills, building seats	71 50
Whitney & Snow, nails	11 90
Wheeler Reflector Co., light	14 75
	<hr/>
	\$676 46

School Department, Summer Playgrounds.

CREDIT.

Appropriation	\$2,000 00
Excess and Deficiency account, balance transferred .	37
	<hr/>
	\$1,999 63

DEBIT.

(Expenditures.)

Cash, paid Harry F. Hathaway, super- visor	\$100 00
Stephen H. Mahoney, supervisor	50 00
Augusta M. Harris, assistant super- visor	32 00
Francis Mahoney, instructor	112 00
Matthew C. Duggan, instructor	100 00
Frank Shea, instructor	98 00
Charlotte Fish, instructor	82 00
Frank McCarthy, instructor	80 00
John J. Norton, instructor	76 00
Martha Delay, instructor	70 00
Hazel Macmillan, instructor	69 00
Francis McCarthy, instructor	32 00
John J. Mitchell, instructor	24 00
Gretchen Van Tassel, instructor	56 00
Francis Maloney, instructor	84 00
Lillias T. Lawton, assistant	84 00
Grace O'Neil, assistant	56 00
Mary L. Gallagher, assistant	56 00
Ruth Gillis, assistant	33 00
Alma Porter, assistant	35 00
John Dardis, assistant	70 00
Agnes Keating, assistant	35 00
Editha Sharkey, assistant	35 00
Louise Deady, assistant	30 00
Michael J. Malaney, attendant at baths	35 00
Alice Elkins, apprentice	21 00
Marion I. Donnelly, apprentice	20 00
Ruth Henriques, apprentice	14 00
Catherine Giles, apprentice	14 00
Honora Harris, apprentice	14 00
Dorothy Cook, apprentice	14 00
Beatrice Maguire, apprentice	2 00
John J. O'Brien, laborer	3 00
	<hr/>
Amount carried forward	\$1,636 00

Amount brought forward	\$1,636 00	
Daniel Lynch, laborer	1 50	
James W. Brine Co., supplies	82 22	
Edward E. Babb & Co., supplies	15 25	
Charles S. Clark, disbursements	24 80	
W. J. Dobinson Engraving Co., half tones	12 60	
Davenport-Brown Co., supplies	1 04	
T. J. Haney, use of auto	65	
H. F. Hathaway, disbursements	24 12	
Augusta M. Harris, disbursements	13 79	
Charles W. Hobbs, supplies	13 75	
Hill-Michie Co., use of auto	15 75	
J. L. Hammett Co., supplies	9 56	
Iver Johnson Co., supplies :	2 80	
Stephen Mahoney, disbursements	23 56	
N. E. Reed Co., supplies	2 24	
John O'Brien, stock and labor on swing	2 20	
Horace Partridge Co., supplies	2 01	
A. P. Rockwood, use of horse, etc. . . .	9 50	
J. Silk Co., supplies	10 75	
Stuart-Howland Co., supplies	5 50	
R. M. Sturtevant, supplies	80	
Somerville Journal Co., printing	6 25	
Wright & Ditson, supplies	11 30	
Wilson. Larrabee & Co., supplies	4 09	
Charles Wood, services of band	61 60	
	<hr/>	
	\$1,993 63	
Commissioner of Public Buildings ac- count, construction of band stand	6 00	
	<hr/>	
		<u>\$1,999 63</u>

Lincoln Park Shower Baths.

CREDIT.

Balance from 1913	\$5 50
Building Public Buildings account, balance transferred	5 50

Public Buildings Department, Maintenance Bathhouse.

CREDIT.

Appropriation	\$2,000 00
Contingent Fund account, amount transferred	81 54
	<hr/>
	\$2,081 54
Excess and Deficiency account, balance transferred . .	506 26
	<hr/>
	\$2,587 80

DEBIT.

(Expenditures.)

Cash, paid weekly salaries	\$1,399 61
Labor	75 70
F. C. Ayer, lumber	136 21
Cambridge & Somerville Laundry. laundry work	160 95
	<hr/>
Amount carried forward	\$1,772 47

Amount brought forward	\$1,772 47	
C. W. Cahalan, plumbing	19 27	
Glines Express Co., expressing	1 50	
Iver-Johnson Co., suits and towels.	181 00	
William J. McCarthy, sand, stone and labor	528 44	
G. F. McKenna & Son, teaming	16 00	
Martin & Wood, keys and labor	19 23	
Pittsburgh Plate Glass Co., glass	3 90	
W. E. Plumer & Co., hardware	1 69	
Perry & Shea, medical supplies	5 20	
E. S. Sparrow & Co., hardware	2 85	
Somerville Publishing Co., printing	5 00	
George S. Saunders & Co., hardware	10 25	
Trimount Press, printing tickets	13 00	
Mrs. T. T. Wheeler, repairing bathing suits	8 00	
		<u>\$2,587 80</u>

CELEBRATIONS.**Independence Day.**

CREDIT.

Appropriation	\$500 00
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DEBIT.

(Expenditures.)

Cash, paid Somerville Fourth of July Association, celebration of Independence Day	<u>\$500 00</u>
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UNCLASSIFIED.**Memorial Day.**

CREDIT.

Appropriation	\$425 00
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DEBIT.

(Expenditures.)

Cash, paid Frank E. Draper Camp, S. A. W. V., observance of Memorial Day	\$75 00
Willard C. Kinsley Post 139, G. A. R., observance of Memorial Day	350 00
	<u>\$425 00</u>

Contingent Fund.

CREDIT.

Appropriation	\$5,000 00
Appropriation, amended	9,700 87
Additional Appropriation	14,250 00
	<u>\$28,950 87</u>
Interest account, amount transferred	4,000 00
	<u>\$32,950 87</u>

Amounts transferred to the following accounts:—

Contagious Hospital	\$4,700 00
Care of Trees	500 00
Interest	4,000 00

Amount carried forward	<u>\$9,200 00</u>
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Amount brought forward	\$9,200 00	
Health Department	2,379 54	
Inspection of Milk and Vinegar	300 00	
Poor Department. Miscellaneous	7,000 00	
Maintenance Bathhouse	81 54	
Water Maintenance	3,500 00	
Refuse Disposal	7,000 00	
Maintenance School Buildings	2,500 00	
	<hr/>	31,961 08
		\$989 79
Excess and Deficiency account, balance transferred .		916 68
		<hr/>
		\$73 11

DEBIT.

(Expenditures.)

Cash, paid John Bousfield, ringing bell	\$2 00	
I. C. Earle, ringing bell	2 00	
Edison Elec. Illuminating Co., service	12 51	
Benjamin F. Freeman, frame	2 60	
Richard A. Keyes, services as stenog- rapher to special investigating com- mittee	50 00	
H. A. Kendall, ringing bell	2 00	
W. C. Towne, ringing bell	2 00	
	<hr/>	\$73 11

Municipal Documents.

CREDIT.

Appropriation	\$1,675 00
Excess and Deficiency account. amount transferred .	104 52
	<hr/>
	\$1,570 48

DEBIT.

(Expenditures.)

Cash, paid Somerville Journal Co.. print- ing annual reports	\$1,560 28	
Somerville Post Office, postage	10 20	
	<hr/>	\$1,570 48

City Planning Board.

CREDIT.

Appropriation	\$250 00
Excess and Deficiency account, balance transferred .	34 46
	<hr/>
	\$215 54

DEBIT.

(Expenditures.)

Cash, paid Theda E. Fleming, services as secretary	\$150 00	
Disbursements	1 73	
Somerville Journal Co., stationery and envelopes	54 86	
H. A. Shepard & Co., supplies	8 95	
	<hr/>	\$215 54

Workmen's Compensation.

CREDIT.

Appropriation	\$5,000 00
Excess and Deficiency account, balance transferred	4,559 91
	<hr/>
	\$440 09

DEBIT.

(Expenditures.)

Cash, paid Eugene J. Ford, compensation for injury	\$6 75
Patrick McGoldrick, compensation for injury	9 63
Joseph H. Soper, compensation for injury	135 00
Thomas F. Casey, compensation for injury	34 88
Thomas P. McDonough, compensation for injury	7 43
Joseph Begley, compensation for injury	1 87
John J. Lynch, compensation for injury	175 00
L. J. Derven, M.D., professional services	6 00
Edward D. Hurley, M. D., professional services	5 00
T. J. Barnes, M. D., professional services	4 00
H. M. Stoodley, M. D., professional services	3 90
Charles E. Mongan, M. D., professional services	20 00
Peter H. Thompson, M. D., professional services	25 00
	<hr/>
	\$434 46
Water Maintenance account, J. Begley	5 63
	<hr/>
	\$440 09

Building Public Buildings.

CREDIT.

Balance from 1913	\$1,395 26
Amounts transferred from the following accounts:—	
New Cells, Police Station	\$46 88
Public Library Construction	46
Lincoln Park Shower Baths	5 50
	<hr/>
	52 84
	<hr/>
	\$1,448 10
Balance to credit of account, 1915	\$1,448 10

MUNICIPAL INDEBTEDNESS.**Interest.**

CREDIT.

Appropriation	\$77,000 00
Water Works Income, amount appropriated	1,260 00
	<hr/>
Amount carried forward	\$78,260 00

Amount brought forward	\$78,260 00
Contingent Fund account, amount re- turned	4,000 00
	<hr/>
	\$82,260 00
Contingent Fund account, amount returned	4,000 00
	<hr/>
	\$78,260 00
Excess and Deficiency account, balance transferred	687 75
	<hr/>
	\$77,572 25

DEBIT.

Coupons account:—

Coupons maturing April 1, 1914	\$12,525 00	
Coupons maturing July 1, 1914	14,070 00	
Coupons maturing October 1, 1914	14,042 50	
	<hr/>	\$40,637 50

Interest on Registered Bonds:—

Interest due April 1, 1914	\$4,388 75	
Interest due July 1, 1914	1,792 50	
Interest due October 1, 1914	4,191 25	
	<hr/>	10,372 50

On Temporary Loans (Taxes):—

Notes Nos. 215-221, 8 mos. 16 days	\$2,311 11	
Notes Nos. 231-232, 243 days	772 54	
Notes Nos. 222-230, 242 days	2,211 61	
Note No. 233, 240 days	545 00	
Note No. 234, 240 days	872 01	
Notes Nos. 235-236, 236 days	1,071 83	
Notes Nos. 237-239, 240 days	1,096 66	
Notes Nos. 240-243, 223 days	2,037 82	
Notes Nos. 244-249, 235 days	1,610 73	
Notes Nos. 250-253, 345 days	3,473 96	
Note No. 254, 311 days	1,403 80	
Note No. 255, 341 days	1,539 23	
Notes Nos. 256-268, 336 days	5,425 00	
Note No. 269, 247 days	527 45	
Notes Nos. 270-273, 129 days	722 04	
Notes Nos. 274-276, 241 days	682 84	
Notes Nos. 277-279, 95 days	237 50	
	<hr/>	26,541 13

On Temporary Loans (Grade Crossings):—

Notes Nos. 22-26, 99 days	810 56
-------------------------------------	--------

\$78,361 69

Refund: Accrued interest on bond issue,

1914	789 44
----------------	--------

\$77,572 25**Memorandum of Total Payments of Interest, 1914.**

Interest on Temporary Loans, Anticipation Revenue	\$26,541 13
Interest on Temporary Loans, Grade Crossings Ex- penses	810 56
	<hr/>
Amount carried forward	\$27,351 69

Amount brought forward		\$27,351 69
Interest on City Bonds:—		
*City, Sewer. etc.	\$48,960 56	
Water	1,260 00	
		<hr/> 50,220 56
Interest on Metropolitan Assessments:—		
(See Commonwealth of Massachusetts account.)		
Metropolitan Sewers	\$27,837 86	
Metropolitan Parks	13,645 76	
Charles River Basin	2,775 13	
Alewife Brook	504 90	
Metropolitan Water Assessment	73,138 81	
		<hr/> 117,902 46
Interest on State Assessments:		
(See Commonwealth of Massachusetts account.)		
Abolition of Grade Crossings		3,112 32
		<hr/> \$198,587 03

Reduction of Funded Debt.

CREDIT.		
Balance from 1913		\$1,836 90
Appropriation		195,163 10
Water Works Income, amount appropriated (Water Bonds)		6,000 00
Cash, received premium on bonds		1,724 05
		<hr/> \$204,724 05
Balance to credit of account. 1915		1,724 05
		<hr/> \$203,000 00

DEBIT.
(Expenditures.)

Cash, paid bonds maturing in 1914	\$203,000 00
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Memorandum of Total Payments on Account of Debt, 1914.

Water Bonds	\$6,000 00
City Loan, Sewer, etc.	197,000 00
On account of Metropolitan District Debt:—	
(See Commonwealth of Massachusetts account.)	
Metropolitan Sewers	\$13,651 71
Metropolitan Parks	3,059 03
Charles River Basin	170 82
Alewife Brook	818 39
Metropolitan Water Assessment	14,371 61
	<hr/> 32,071 56
On account of State Assessment:—	
(See Commonwealth of Massachusetts account.)	
Abolition of Grade Crossings	12,136 10
	<hr/> \$247,207 66

*\$789.44 deducted for accrued interest paid by purchaser of bonds, issue of current year.

PUBLIC SERVICE ENTERPRISES.**Water Maintenance.**

CREDIT.

Appropriation	\$37,000 00
Water Works Extension account, amount transferred	4,210 29
Contingent Fund account, amount transferred	3,500 00
	<hr/>
	\$44,710 29
Excess and Deficiency account, balance transferred	161 78
	<hr/>
	\$44,548 51

DEBIT.

(Expenditures.)

Cash, paid laborers	\$23,749 93
Frank E. Merrill, salary as water commissioner	2,300 00
Use of auto	350 81
William E. Copithorne, inspector	900 00
Car fares	21 30
Josephine M. Sander, assistant	668 24
Mary L. Murray, clerical services	351 00
Annie F. Cammick, clerical services	442 00
J. Madeline Coy, clerical services	32 00
E. Lena Clark, clerical services	84 00
Harriet Morrison, clerical services	120 00
Charles R. Hildred, foreman assistant	1,200 00
Richard Whalen, pension	324 48
Harvey W. King, pension	78 74
Michael Finnell, pension	65 60
Andrew McCaffrey, pension	188 76
American Express Co., expressing	29 64
Austin & Doten, tubing	91
Ames Implement & Seed Co., forks	1 30
Ashton Valve Co., bubbler tips	6 99
American Belting Co., leather	5 18
American Storage Battery Co., repairs	4 00
George R. Bascom, auto supplies	77 94
Boice-Perrin Co., electric supplies	14 79
Harold L. Bond Co., tools	36 08
Boston & Maine R. R., freight	467 36
Boston Woven Hose Co., hose	6 97
W. B. Brown & Co., metal work and mud guards	17.25
Burroughs Adding Machine, repairs	1 95
D. J. Bennett Estate, saddlery	75
Braman Dow & Co., fittings	713 67
J. A. Bremner & Co., paste powder	15
Builders' Iron Foundry, castings and fittings	246 46
Thomas D. Bennett, saddlery	35 55
Charles E. Berry, welding	6 00
Cave Welding Co., welding	3 50
Chadwick-Boston Lead Co., castings, lead pipe	1,157 39
	<hr/>
Amount carried forward	\$33,710 69

Amount brought forward	\$33,710 69
Chandler & Farquhar Co., machine supplies	37 17
Chapman Valve Mfg. Co., gates and fittings	904 41
Chase, Parker & Co., oil duck	3 77
Crossman Plating Co., repairing radiator, plating lamps	14 50
Cunningham Grain Co., oats	136 81
Cornelius Callahan Co., hydrant gate stem	16 80
Carter's Ink, state ink	1 25
Cambridge Water Department, offset and pipe	37 82
Samuel Chabot, paint	1 50
Coffin Valve Co., valve parts	4 44
John Cullinan, claim for injury . . .	300 00
Denis I. Crimmings, sidewalk repairs .	38 56
Davenport-Brown Co., lumber	14 59
Julian D'Este Co., repairing rod and castings	284 90
Niels A. Dolleris & Son, presto tanks .	9 95
G. H. Dyer Co., oxygen	9 50
Davis Square Stables, horse hire . .	13 50
J. H. Edwards, blacksmithing	158 15
The Elliott Co., tape, address machinery	33 71
Edson Mfg. Co., repairing hose . . .	1 15
Eisner-Lenk Co., auto repairs	14 90
Fisk Rubber Co., supplies and auto tires	182 87
W. F. Fleming, upholstering	3 00
James H. Fannon, labor	543 81
Fleischmann Co., settlement claim . .	5 00
The Fairbanks Co., valve discs . . .	6 57
Fire & Water Engineering, subscription	3 00
Fresh Pond Ice Co. ice,	120 57
Seth W. Fuller Co., repairing dynamo	2 75
Gilman Express Co., expressing . . .	127 65
Glines Express Co., expressing . . .	1 20
B. F. Goodrich Co., auto tires	356 14
Green & Swett Co., oil	99 13
Gulf Refining Co., oil	897 92
W. A. Greenough & Co., directory . .	4 00
Gould & Cutler, paints	9 75
F. W. Gilbert, rubber boots	28 00
Globe Gas-Light Co., torch	7 18
Charles T. Garland, use of man and team	10 00
Hersey Mfg. Co. meter parts	16 87
A. E. Hellman, lettering auto	6 00
Highland Coal Co., slab wood	92 75
Hill-Michie Co., auto supplies	13 33
Samuel Hurwitz, varnish	68 60
William J. Hachett, M. D., services . .	2 00
William H. Hitchings, veterinary services	11 00
Amount carried forward	<hr/> \$38,367 16

Amount brought forward	\$38,367 16
E. C. Hartshorn, photography	4 10
W. L. Hayes, claim	15 75
Holtzer-Cabot Electric Co., charts	1 76
Ideal Supply Co., pipe	52 72
International Harvester Co., repairs and auto parts	73 00
Jordan Marsh Co., cloth	4 73
William G. Johnston & Co., order holders	6 21
Johnson, Washburn Co., fittings	208 83
J. A. Kiley, curtains	23 00
Charles A. Kelley, labor	7 50
George W. Ladd, blacksmithing	279 05
Lead Lined Iron Pipe Co., pipe	1,875 40
Lord & Webster Co., hay	238 17
Roy H. Lyman, claim	25 00
T. E. Littlefield, lumber	122 62
Ludlow Valve Mfg. Co., valve	7 30
Library Bureau, cards	12 13
Jacob Lampert, brush	1 00
Mass. Highway Commission, registra- tion of auto truck	50 00
H. Mueller Mfg. Co., cocks	437 15
Myer Abrams Co., valves	4 50
Margaret G. Morgan, claim for in- juries	300 00
Archie Moore, claim	15 00
Martin & Wood, saw sharpening	2 50
William J. McCarthy, stone and dyna- mite	18 55
James J. MacCarty, force pump	50 00
Metropolitan Water and Sewage Board, painting pipe	5 58
Maforeto Machinery & Tool Co., lathe spindle	17 64
National Meter Co., meter parts	10 55
Neptune Meter Co., meter parts	784 09
N. E. Tel. & Tel. Co., service	202 39
North Somerville Coal Co, use of horse	41 50
New England Co., towels	8 40
Norristown Magnesia & Asphalt Co., pipe covering	24 48
Joseph Palmer, repairing auto springs	24 20
W. E. Plumer & Co., hardware	58 59
Packard Motor Co., auto supplies	125 24
Proctor Bros. Grain Co., grain	126 45
A. H. Perry, painting	25 00
Post & Lester Co., hess bearings	20 24
Perry's Prescription Pharmacy, sup- plies	2 36
Pittsburgh Meter Co., gears	32
Perrin, Seamans Co., tools	19 77
H. W. Perry, supplies	3 01
A. H. Proctor, oats and bran	156 88
George C. Page Box Co., boxes	34 30
Amount carried forward	\$43,894 12

Amount brought forward	\$43,894 12
Park Garage Co., gaskets	30
The Red Cross Co., first aid outfit . .	6 00
J. B. Rufer, blacksmithing	66 25
Rensselaer Valve Co., hydrant fittings	500 40
J. W. Richards, fire extinguisher . .	5 00
Remington Typewriter Co., repairs . .	14 30
Somerville P. O., stamps and envelopes	728 63
Howard B. Sawyer Oil Co., oil	16 75
Alexander J. Siegel, buggy top and claim	7 00
Somerville Industrial School, auto repairs and machine work	50 15
Somerville Iron Foundry, castings . . .	1,100 62
Somerville Journal, printing	392 54
E. S. Sparrow & Co., hardware	161 50
Stanley Motor Carriage Co., auto supplies	294 42
Standard Envelope Sealer Co., sealer . .	16 50
Somerville Publishing Co., printing . .	42 00
Stewart-Warner Corporation, repairs . .	8 75
Standard Cast-Iron Pipe Co., pipe . . .	2,995 45
Somerville Vocational School for Boys, meter boxes	23 35
Somerville Fire Department horse . . .	200 00
Simpson Bros. Corporation, repairing pavement	55 27
Sanborn Map Co., corrections	11 00
Scott & Tinglof, oak rings	17 50
John Silk Co., sand	8 75
The Texas Co., gasoline	330 56
Fred J. Thomsen, car fares	18 50
Thomson Meter Co., meter parts	1,580 89
Transo Paper Co., envelopes	22 50
Wm. T. Thompson & Co., roto salt . . .	1 80
Underhill Hardware Co., hardware . . .	69 27
Union Water Meter Co., meter parts . .	923 75
Wadsworth Howland & Co., paint supplies	26 03
Walworth Mfg. Co., tools	113 95
Samuel Ward, stationery, office supplies	128 75
Warren Bros. Co., repairing pavement . .	58 90
Wetmore-Savage Co., electric supplies .	45 47
A. J. Wilkinson & Co., hardware . . .	34 64
Winter Hill Press, printing	2 50
R. Woodman Mfg. & Supply Co., presses and seals	54 00
Henry R. Worthington, meter parts . . .	2,807 25
John M. Woods, lumber	36 12
R. D. Wood & Co., oil screws	168 91
Waldo Bros., cement	55 08
George D. Wetherell & Co., supplies . .	1 75
Webber Washer Co., washers	9 75
Wyman-Allen Lumber Co., lumber	2 88
Water Works Equipment Co., detector . .	15 00
Winter Hill Ice Co., ice	7 10
Amount carried forward	<u>\$57,131 90</u>

Amount brought forward	\$57,131 90	
Sewer Maintenance account, repair work	24 12	
Highways Maintenance account, repairing streets	77 92	
	<hr/>	
	\$57,233 94	
Service transfers, from sundry accounts	12,677 00	
	<hr/>	
	\$44,556 94	
Refund: Michael Fennell, over-payment	8 43	
	<hr/>	
		\$44,548 51

Water Works Extension.

CREDIT.

Appropriation	\$21,500 00	
Water Maintenance account, amounts transferred	4,210 29	
	<hr/>	
		\$17,289 71

DEBIT.

(Expenditures.)

Cash, paid laborers	\$5,573 59	
Water Maintenance account, stock, teaming, tools, etc.	11,716 12	
	<hr/>	
		\$17,289 71

Water Works, Refunds of Water Charges.

DEBIT.

(Expenditures.)

Cash, paid sundry persons, money refunded	\$205 26	
Cash, Refunds: Water charges	205 26	
(See Revenue, Table E.)		

Public Buildings Department, Maintenance Water Buildings.

CREDIT.

Appropriation	\$1,000 00	
Excess and Deficiency account, balance transferred	219 92	
	<hr/>	
		\$780 08

DEBIT.

(Expenditures.)

Cash, paid labor	\$48 37	
Armstrong Bros., plumbing	50	
Charlestown Gas & Electric Co., gas	98 28	
C. W. Cahalan, plumbing	3 00	
Edison Elec. Illuminating Co., lighting	225 10	
Glines Express Co., service	25	
J. J. Hurley & Co., repairing apparatus	11 82	
George W. Ladd, irons	6 70	
George W. Manning, repairing roof	11 50	
Pittsburgh Plate Glass Co., glass	2 37	
E. S. Sparrow & Co., hardware	52 55	
Wellington-Wild Coal Co., fuel	319 64	
	<hr/>	
		\$780 08

Revenue and Receipts Used for Expenses, 1914.

Assessed in taxes		\$1,266,177 86
Estimated Revenue appropriated . . .	\$432,865 24	
Revenue received in excess of amount estimated	15,486 48	
		<hr/> 448,351 72
Reduction of Funded Debt, balance from 1913 . . .		1,836 90
Excess and Deficiency, balance from 1913 . . .		7,772 09
Transferred from Overlay and Abatement account, 1912 and prior years		4,200 00
Transferred from Overlay and Abatement account 1913, from receipts received account December, 1913, warrant		3,000 00
Transferred from Playgrounds Extension account . .		1,049 90
		<hr/> \$1,732,388 47

Deductions:—

Transferred to Funded Debt accounts:—		
Central Heating Plant	\$3,158 28	
High School Addition	3,125 96	
High School Addition, Furnishing and Equipment	7 13	
Highways Construction, Macadam Pave- ment	3,000 00	
		<hr/> 9,291 37
		<hr/> \$1,723,097 10

Expenditures:—

General Government	\$81,376 31
Protection Persons and Property	246,112 76
Health and Sanitation	178,291 91
Highways	120,172 30
Charities	54,966 90
Soldiers' Benefits	36,593 83
Education	470,332 04
Libraries	44,341 83
Recreation	19,299 43
Unclassified	2,724 22

Municipal Indebtedness	{ City Bonds	\$197,000 00	
	{ Water Bonds	6,000 00	
	{ Interest Bonds	50,220 56	
	{ Interest on Temp- orary Loans	27,351 69	
		<hr/> \$280,572 25	
	{ Less Water Bonds \$6,000 00		
	{ Water Interest 1,260 00	7,260 00	
			<hr/> 273,312 25

Water Works:—

Water Maintenance	\$44,548 51
Water Works Extension	17,289 71
Maintenance Water Build- ings	780 08
	<hr/>

Amounts carried forward	\$62,618 30	\$1,527,523 78
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Amounts brought forward	\$62,618 30	\$1,527,523 78
Water Bonds	6,000 00	
Water Interest	1,260 00	
Metropolitan Water Assessments	109,999 13	
		179,877 43
		<u>\$1,707,401 21</u>
Balance Excess and Deficiency to 1915		15,695 89
		<u>\$1,723,097 10</u>

NON-REVENUE ACCOUNTS

Funded Debt Accounts

Balance to credit December 31, 1913		\$68,949 03
Loan of April 1, 1914		145,000 00
Gifts: Carnegie Corporation:—		
(Public Library Construction)		5,000 00
Revenue in advance for outlays		
(Incinerator Addition)		3,100 00
Assessments levied		
Highway Betterment	\$18,114 68	
Sidewalk Assessments	19,763 54	
Sewer Assessments	2,779 03	
		40,657 25
Premium on bonds (issue of April 1)		1,724 05
Offsets credited back	2,341 35	
Less refunds	1,148 37	
		1,192 98
Transferred to Maintenance Accounts		
To Central Heating Plant	3,158 28	
High School Addition	3,125 96	
High School Addition, Furnishing and Equipment	7 13	
Highways Construction, Macadam Pavement	3,000 00	
	\$9,291 37	
Transferred to Maintenance Accounts		
From Playgrounds Extension account	1,049 90	
		8,241 47
		<u>\$273,864 78</u>

Expenditures.

City Hall Annex Remodeling	\$3,500 00
New Cells, Police Station	3,999 93
Fire Department, Additional Apparatus	18,928 00
Electrical Department, Underground Construction	3,260 87
Sewers Construction	9,898 30
Incinerator Addition	3,100 00
Highways Construction	66 60
Highways Construction, New Streets	37,412 93
Highways Construction, Permanent Pavement	56,227 61
Highways Construction, Macadam Pavement	33,021 81
Sidewalks Construction	40,586 64
Amount carried forward	<u>\$210,002 69</u>

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 163

Amount brought forward	\$210,002 69
High School Addition	13,756 31
High School Addition, Furnishing and Equipment	2,916 38
Central Heating Plant	12,140 07
Public Library Construction	9,407 61
Playgrounds Extension	676 46
	<hr/>
	\$248,899 52
Balance Funded Debt account to 1915	23,241 21
Balance Reduction Funded Debt account, 1915	1,724 05
	<hr/>
	\$273,864 78

TRUST FUNDS

Public Trust Funds, Income.

Public Library, credit balances December 31, 1915	\$81 89
From investments	1,077 16
Public School, credit balance December 31, 1913	205 00
From investments	200 00
	<hr/>
	\$1,564 05

Expenditures:—

Public Library	\$977 54
Public School	85 50
Balance to 1915, Public Library	181 51
Balance to 1915, Public School	319 50
	<hr/>
	1,564 05

Martha R. Hunt Fund, Art:

From principal of fund	\$1,000 00
Expenditures	\$297 23
Balance to 1915	702 77
	<hr/>
	\$1,000 00

Private Trust Funds.

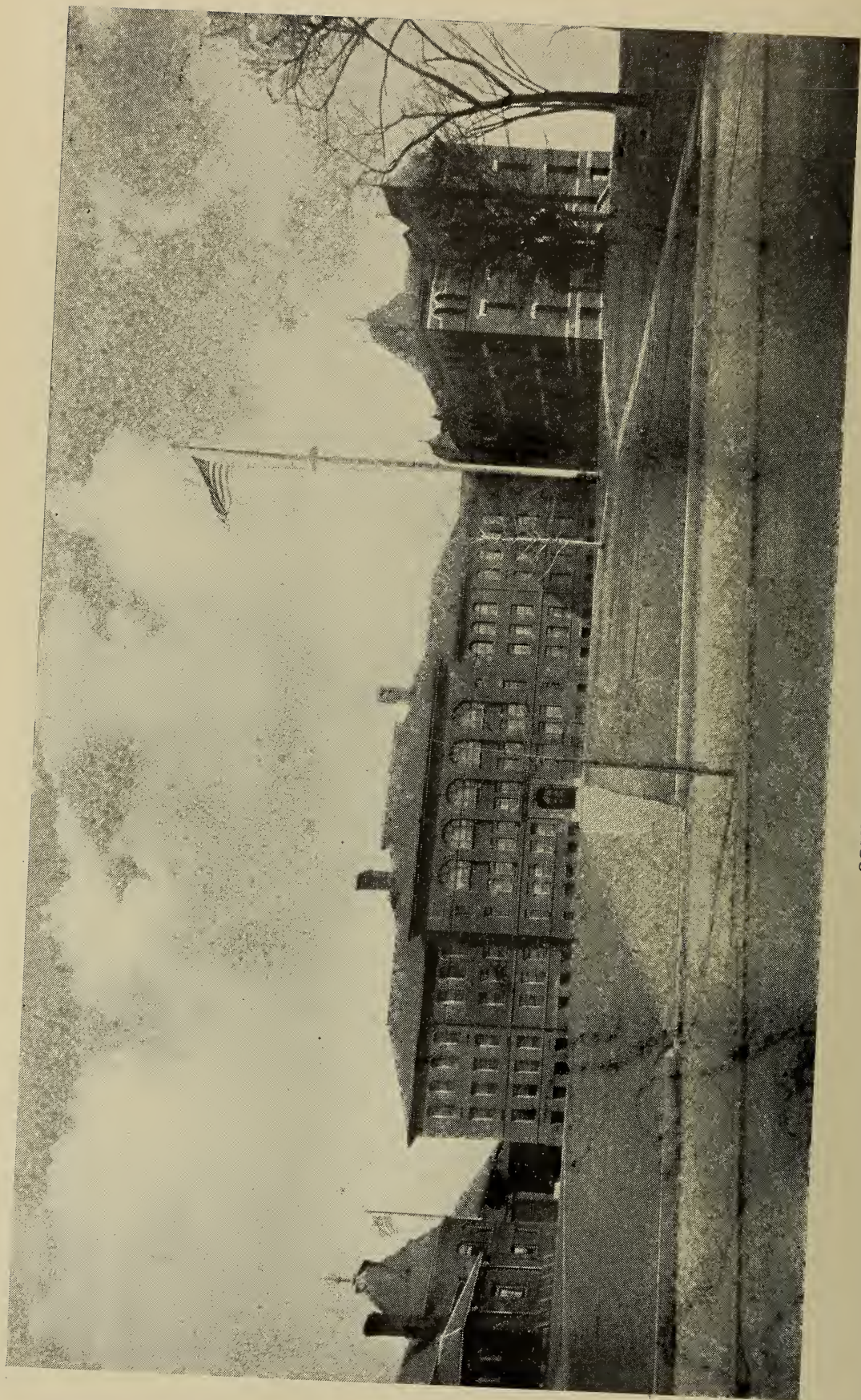
Overplus on Tax Sales, balance December 31, 1913	\$118 13
Sundry Persons, balance December 31, 1913	619 56
Received Redemption of Tax Liens	745 74
	<hr/>
	\$1,483 43
 Expenditures:—	
Redemption of Tax Liens	\$745 74
Sundry Persons	492 45
Overplus on Tax Sales	118 13
Balance to 1915, Sundry Persons	127 11
	<hr/>
	\$1,483 43

REPORT OF THE SCHOOL COMMITTEE.

School Committee Rooms, December 28, 1914.

Ordered, that the annual report of the Superintendent be adopted as the annual report of the Board of School Committee, it being understood that such adoption does not commit the Board to the opinions or recommendations made therein; that it be incorporated in the reports of the City Officers; and that 1,000 copies be printed separately.

CHARLES S. CLARK,
Secretary of School Board.



SOMERVILLE HIGH SCHOOL

SCHOOL COMMITTEE, 1914

HENRY H. FOLSOM,	Chairman
THOMAS M. CLANCY,	Vice-Chairman

Members.

	EX-OFFICIIS.	Term expires January
ZEBEDEE E. CLIFF Mayor,	29 Powder House terrace	1915
DAVID H. FULTON, President Board of Aldermen, 599½ Somerville avenue.		

WARD ONE.

THOMAS A. KELLEY,	39 Pennsylvania avenue	1915
MRS. MARY G. WHITING,	Hotel Wadsworth	1916

WARD TWO.

THOMAS M. CLANCY,	12 Stone avenue	1915
DANIEL H. BRADLEY,	19 Concord avenue	1916

WARD THREE.

ALBERT C. ASHTON,	33 Columbus avenue	1915
GEORGE E. WHITAKER,	75 Walnut street	1916

WARD FOUR.

MARTIN P. HOGAN,	255 Broadway	1915
HARRY A. STONE,	254 Broadway	1196

WARD FIVE.

HERBERT A. MACDONALD,	5 Norwood avenue	1915
HENRY H. FOLSOM,	103 Central street	1916

WARD SIX.

MRS. MARY R. BREWER,	170 Summer street	1915
GUY E. HEALEY,	34 Benton road	1916

WARD SEVEN.

HERBERT CHOLERTON,	94 College avenue	1915
CLARENCE W. WILLIAMS,	205 Morrison avenue	1916

Superintendent of Schools.

CHARLES S. CLARK.

Office: City Hall Annex, Highland avenue.

Residence: 82 Munroe street.

The Superintendent's office will be open on school days from 8 to 5; Saturdays, 8 to 10. His office hours are from 4 to 5 on school days, and 8 to 9 on Saturdays.

Office telephone, 314; house telephone, 12.

Superintendent's office force:—

Justin W. Lovett, 29 Cambria street.

Mary A. Clark, 42 Highland avenue.

Mildred A. Merrill, 26 Cambria street.

STANDING COMMITTEES, 1914.

Note.—The member first named is chairman.

High School—Folsom, Ashton, Kelley, Bradley, Hogan, Healey, Mrs. Brewer.

District I.—Kelley, Mrs. Whiting, Clancy.

PRESCOTT, HANSCOM, BENNETT.

District II.—Clancy, Bradley, Kelley.

KNAPP, PERRY, BAXTER.

District III.—Ashton, Whitaker, Mrs. Whiting.

POPE, BELL, CUMMINGS.

District IV.—Hogan, Stone, MacDonald.

EDGERLY, GLINES.

District V.—MacDonald, Folsom, Stone.

FORSTER, BINGHAM.

District VI.—Mrs. Brewer, Healey, Folsom.

CARR, MORSE, PROCTOR, DURELL, BURNS, BROWN.

District VII.—Cholerton, Williams, Healey.

HIGHLAND, HODGKINS, CUTLER, LOWE.

Finance—Messrs. Ashton, Kelley, Clancy, Hogan, Folsom, Healey, Williams, Cliff, and Fulton.

Text-Books and Courses of Study—Messrs. Cholerton, Clancy, Whitaker, Stone, MacDonald, Healey, and Mrs. Whiting.

Industrial Education—Messrs. Clancy, Ashton, Hogan, Stone, Williams, Kelley, and Mrs. Whiting.

School Accommodations—Messrs. Kelley, Hogan, Stone, Whitaker, MacDonald, Healey, Williams, Cliff, and Fulton.

Teachers—Messrs. Whitaker, Bradley, Folsom, Cholerton, and Mrs. Brewer.

Playgrounds and School Hygiene.—Mrs. Whiting, Mrs. Brewer, Messrs. Williams, Clancy, and MacDonald.

Rules and Regulations.—Messrs. Bradley, Cholerton, and Ashton.

REPORT OF THE SUPERINTENDENT OF SCHOOLS.

To the School Committee of Somerville:—

I have the honor to present for your consideration the forty-third annual report of the Superintendent of Schools. It contains a discussion of the work of the schools and an appendix wherein are given statistics relating to attendance, expenditures and other matters of interest. School statistics, including cost, are in the main for the last school year but the expenses for the fiscal year 1914 are also shown.

Pupils and Teachers. The extent of the educational undertaking is to be found in the total enrolment of the schools. For the last school year it was 13,205, 350 more than for the preceding year. The per cent. of attendance was 94.3, one-tenth per cent. higher than in the preceding year. Of this enrollment 2,111 were in the high school, an increase of 244 and 11,094 in the elementary schools, an increase of 106. At the end of the fiscal year 1914 there was a membership of 12,968, an increase over the membership of 1913 of 484. The school year was nine months, five and one-half days, two and one-half days less than the preceding year.

The teaching corps now numbers 371 regular teachers, twelve assistants, and eight cadets. During the year thirty-nine new teachers have been engaged. Of this number fifteen were residents of Somerville or graduates of its schools. These new teachers have been carefully selected. They have all had good training for their work and have had successful experience before receiving an appointment in our schools. The higher salary paid here and the reputation which our schools have for good treatment of teachers have been the inducements to draw them from their former positions. During the same fiscal year we have lost twenty-three teachers. Of this number seven resigned to be married, eight to go to other places for higher salaries, and six for other reasons. Two were claimed by death. Of the number who went to other places to get higher pay, two went to Boston, two to Springfield, one to New York, and three to other cities. Ninety-four per cent. of the teachers in the service of the city at the close of 1913 are now teaching here. Next in importance to getting good teachers is keeping them after they enter our schools. Against the lure of domestic life there appears to be no effective measure wherewith to protect our teaching corps, but it is apparent that changes for other reasons are not unduly frequent and that there is a good degree of continuity in the service of our teachers.

Accommodations. All of the schoolhouses are fully occupied at the present time with the exception of the Proctor School, where there is a vacant room. At the Prescott, a twelve-room building, there are twelve classes, occupying all the rooms. The first grade has seventy-seven pupils assigned to one room. To meet this condition an arrangement has been made which amounts to half-time for every pupil two-thirds of the time. In the four classes next above the first grade there are 194 seats and 193 pupils. At the Hanscom, a neighboring school which has ten class-rooms, there are twelve classes, two basement rooms not intended for regular classes being put to that use. Seven of these classes have forty-eight or more pupils. The Glines School, a twelve-room building, has fourteen classes, one being a kindergarten, which occupies a basement room, and two being first-grade classes, which occupy one room on a half-time arrangement. Of the remaining classes eight have from forty-four to forty-nine pupils.

Nearby is the Edgerly School where six classes have forty-eight or more pupils, five have forty-four to forty-seven, and the remaining one has forty-two. These four schools furnish the accommodations for a neighborhood compact and thickly settled but one which has a section now being developed which will yield a considerable increase to the school population in the next few years. As a circle having its centre at Bonair and Autumn streets and a radius of one-half mile will circumscribe the territory of these schools permanent relief for them all could be made by an increase of accommodations made near the centre. As the Edgerly and the Prescott are old buildings, the latter having been built in 1867 and the former in its original part having been built in 1871 it would be unwise to try to alter either. A new building is needed.

If properly placed it could furnish needed additional room and retire one or the other of these buildings. In this way the conditions in this section of the city can best be met.

The Morse School, a twelve-room building, has four classes of fifty or more pupils and makes use of all its class-rooms. Nearby is the Burns School, an eight-room building, having a seating capacity of 388 and an actual membership of 399 pupils. Not far away is the Brown School, a ten-room building, having 487 seats and 460 pupils. Half-time classes have been avoided in the Morse and Burns Schools by employing assistant teachers who teach groups of pupils in hallways and other odd places,

From the Brown School pupils who live nearer that building have been sent away to the Highland and Lowe Schools, against the wishes of their parents. Half-time classes in the lower grades of one or more of these buildings will doubtless be the best way to deal with the situation at the beginning of the next semester.

In the section west of Davis Square the conditions are such as to demand careful consideration. The new Cutler School has twelve class-rooms, 559 sittings, and 527 pupils; 25 of the 32 vacant sittings are in the three highest classes. The remaining nine rooms are now full. At the Hodgkins the ten classes below the eighth grade have forty or more pupils, a number sufficient for any teacher. Three of the four classes in the Lincoln School have forty or more pupils. Clarendon Hill and contiguous territory are the scenes of a great building activity from which an increase in the number of children to go to school is inevitable. From this view of the situation it is evident that there will be overcrowding in these schools by the time a new school year comes around. It is desirable that plans be made immediately to provide for this condition. In the Bingham, Carr and Forster Schools, while some of the classes are of normal size or less, every room is occupied and some of the classes are over-crowded and are finding relief by occupying halls and such other spots as are available.

Generally over-crowding occurs in grades below the seventh, where it is more important that teaching conditions be favorable. Very large classes in first and second grades are especially to be deplored. The chief cause of large classes in our schools is the fact that class-rooms are not available for extra classes where they could be created by dividing ones overlarge. Such being the case, until more rooms are provided the only other way by which improvement can be secured is through change in the manner of using those we have. Since at present our custom is to give a single class, large or small, exclusive use of a class-room, any change would mean dividing the use of a class-room between two or more classes.

The methods employed to this end are half-time classes, whereby one class uses a room in the morning and another in the afternoon, or the alternating plan whereby two schools use the facilities of a school plant in such a way as to increase its carrying capacity.

The half-time plan has been used occasionally in our schools under stress of necessity, but has never been

popular with parents. The alternating plan has never been used here and is practically strange to the administration of schools in the East. As this plan has been recently the subject of two reports made to the school committee by the superintendent you are acquainted with it and have given it your approval. For the sake of completing this discussion I quote here these two reports:—

Somerville, Mass., November 16, 1914.

To the School Committee:—

On September 28, 1914, the School Committee gave the Superintendent a leave of absence and directed him to visit schools in other states to see what is being done to provide vocational training, and to learn what means are being employed to adapt existing school plants to the increased demands put upon them by changes in school activities and by marked growth in school attendance. In compliance with this order the Superintendent planned a trip to a number of cities in the central states where conditions in the schools were such as to give evidence upon the points of inquiry. He left Somerville on Saturday, October 24, and returned on Friday, November 6, having in the interval visited schools in New Castle, Pa.; Cincinnati, Ohio; Gary, Indiana; Washington, D. C.; New York City, and Franklin Furnace, N. J.

In discussing the results of these visits clearness will be promoted by disregarding the order of visits and combining impressions under general heads. The points of inquiry—What provision is being made for vocational education, and what adaptation of school plans is being made to meet growing demands, will be considered in the order stated.

I. Provision for vocational training. The Cincinnati Idea. Cincinnati inaugurated the co-operative form of industrial education. In this plan the industries and occupations of the community aid or co-operate by giving part-time employment to pupils who spend the remaining part in school. The opportunity to do practical work is by this plan provided by business establishments, while the opportunity to pursue related studies is furnished by the schools. Pupils are under control of school authorities who take care that the shop work is suited to the needs of pupils. Closely related to this plan is the work of the Continuation Schools which give part-time instruction to persons who already are at work. The advantages of these forms of industrial education are that the worker gains shop experience under commercial conditions, and that the community does not have to provide the equipment which is needed to carry on the various kinds of productive enterprises into which pupils go. While these are the forms of vocational training which are commonly regarded as forming the Cincinnati idea, the city maintains manual training and industrial centres in connection with the elementary and high schools.

The Gary Idea. Unlike Cincinnati, Gary is a small city having no traditions. Although it has now more than forty thousand inhabitants, it has not attained its tenth birthday. In eight years it has progressed from the condition of a stretch of barren sand to that of a handsome city built upon a generous plan and

having broad and well constructed streets. Like the rest of the city the school system has been created within a decade, unhampered by the out-grown school facilities which abound in older communities but helped by the wisdom which has been derived from the educational experiences of the past. To meet the school needs of a rapidly increasing population of diverse nationalities was the problem. Its solution is indicated by present conditions and by the ideals towards which the system is working.

The Gary idea of a school plant is a playground, garden, workshop, social center, library and traditional school combined under the same management. All of these provisions are found in its latest school buildings. In them all the grades from the kindergarten to the end of the high school are found. Opportunity for vocational training is provided in shops where regular workmen are employed the year round in equipping and repairing the school plants of the city, the boys working with them. In this way are carried on in the schools such trades as carpentry, cabinet making, painting, engineering, printing, sheet metal working, plumbing, electrical working, machine working, foundry working, etc. For girls are the occupations associated with domestic science and domestic art. These opportunities are open, in varying degrees, to pupils from the intermediate grades through the high school. Co-operative arrangements exist by means of which some pupils get vocational experience in the industries of the city during vacations.

In the main the Gary idea of vocational education is to provide in the school such a variety of opportunity as will enable pupils by changing from one kind of work to another, to find their aptitudes and to select the work which they wish to follow.

Unlike the co-operative plan, the Gary plan places upon the schools the cost of equipping plants for vocational education.

Meeting the Cost. The school authorities of Gary assert that the cost of building construction, operation and maintenance, and the cost of instruction is less under the plan now in effect in its largest buildings than would be the cost for an equal number of pupils educated under the old methods of organizing school work and using school accommodations.

Careful analyses of cost exhibited by the school department as well as independent ones made by the United State Bureau of Education support these claims. Among the factors which determine this result are the following:—

1. The erection of a number of large unit plants rather than a greater number of smaller buildings.

2. The conducting of special activities in parts of the plant which are less expensive than the regular class-rooms.

3. Making vocational activities self-supporting by giving them school business to do, which would otherwise create additional charge upon the city.

4. Doubling the carrying capacity of the school plant by a method whereby two schools use the plant at one time. This end is accomplished by providing regular classrooms and shops, laboratories for special activities, and play spaces. While one school is using the regular classrooms the other school is using the special rooms. By alternating through the day each school has the use of regular and special facilities for a full school day. By means of this method it is possible to accommodate in a school

and all the rooms, both regular and special, are constantly in use. double the number of pupils that are provided for by the usual method. It is necessary, however, to have places for the special activities, in order to put this method into effect. Space for these is supplied in parts of the buildings which are frequently put to so valueless a use as to be practically waste places. To cite one illustration in Gary the use of the Jefferson School Building may be taken. This building was remodelled to adapt it to the alternating method. The attic was turned into a gymnasium. The large basement which had not been used at all, was fitted up for special activities. A few class-rooms were adapted to other special uses, lockers were provided and set up where they would not be in the way. Equipment was installed on the playground. In 1908, this was a ten-room school building accommodating 400 pupils. It now has 800 pupils. The changes which were made in the building were accomplished at comparatively little expense. The economy effected by this double use of a school plant is one of the most striking features of the school system. While the alternating method did not originate in Gary, its application there is so essentially a fundamental policy of the school system that it has attracted a great deal of attention and other communities are beginning to ask whether the same idea may not be applied in their own affairs to the saving of public money and the improvement of their school systems.

II. Adaptation of school plants. Application of the Gary plan to other communities. It is easy to see how a new building can be constructed so as to make possible the economic and educational advantages which inhere in the Gary plan. But it is another matter to see how a community may apply it to existing school plants. However, the question has been answered in a bulletin published this year by the United States Bureau of Education as follows: "It is clear that any system if operated under the new programme could, by alteration of buildings, greatly increase the school accommodations. Or, if a city already has class-rooms enough to care for all the pupils, with a desk for each, it could by the adoption of the new plan, dispose of some of its school sites and buildings, the less desirable ones, of course, for enough, perhaps, to remodel and equip many of the remaining school facilities for use when operated under the new plan. . . . Thus reorganized, these centres become fitted for the wealth of opportunities afforded by the Emerson plant not so well suited as a plant originally designed for such opportunities perhaps, but nevertheless well adapted to these ends. The economies entailed in the cities of the country in this manner would probably aggregate millions of dollars."

The Superintendent visited three cities for the purpose of observing the application there of the ideas herein discussed.

New York City. The Board of Education of this city has just secured as special advisors, Dean Snyder of the University of Cincinnati, the father of the "Cincinnati idea," and Superintendent Wirt, the author of the "Gary Idea." These men will be paid each a salary of \$10,000 a year, and will devote one week in four to the interests of the New York schools. Their special work will be to promote in New York City the kinds of vocational work for which each is noted. Already beginnings have been made. This fall in several of the elementary schools prevocational courses have been provided for seventh and eighth grade pupils. Regular class-rooms have been taken for shops and the

double plan of using the plant has been put into effect. At Public School No. 95, ten class-rooms have been taken for shops, leaving fifty regular class-rooms. These accommodate one hundred classes. The shops are for sheet metal, machines, electric wiring, plumbing, printing, mechanical drawing and wood working. With the exception of wood working the shops are all new this fall. Additional time has been given to gymnasium work. A corresponding condition was observed in Public School No. 64. At the Public School No. 62 there were 2,500 sittings; 500 of these were taken out to make room for pre-vocational work and the double plan was put into effect. Three thousand pupils are accommodated in 2,000 seats.

It has been decided to introduce this pre-vocational training in six elementary schools and to organize them on the plan of alternate use of class-rooms, shops, auditoriums and playgrounds. In six other schools will be given instruction for skilled occupations, and in them will be introduced the co-operative system.

New Castle, Pa., and Franklin Furnace, N. J. Lest, however, conclusions founded on the experiences of a great city might be incapable of just application to a smaller and less resourceful place, visits were made to two communities where it was known that corresponding steps had been taken. The School Committee of New Castle invited Superintendent Wirt to examine their plant and to advise them concerning the possibility of adapting their school buildings to the double plan. As a result of this conference three buildings were remodeled and are now being conducted upon this plan. In this case the special activities were provided mainly by supervised play and the usual manual training and cooking rooms, no attempt having been made to provide pre-vocational training. The changes have resulted in general satisfaction, as they obviated the necessity of providing new buildings, and furnished a more acceptable school programme.

Franklin Furnace had but one school building which was too small for the needs of the community. The School Committee sent its Superintendent and a member of the School Committee to Gary. After their return it was decided to take three of the eight rooms for special activities and to organize the classes on the alternating basis. As a result more pupils are accommodated in the school and the programme has been enriched by the introduction of manual training, cooking, sewing, supervised play, and a variety of hand work for young children.

Conclusions. The movement for vocational education is spreading rapidly. Its aim is to provide more opportunity for youth to find and place themselves. Varying provisions for giving this training exist because conditions are dissimilar in different communities. Somerville being mainly a residential city cannot provide adequate vocational education by means of the co-operative method. Like Gary, it must give this training within its school system. The beginnings which it has already made are well planned and suited to the needs of the community.

The plan of double use of the school plant is applicable to Somerville. It can be employed here as effectively as elsewhere. While the schools of Gary have large playgrounds, that of the Froebel School being five acres in extent, the success of the plan is not dependent upon that feature. A playground is a necessary part of the plan, but it need not be a large one.

At the present time there is overcrowding in several widely separated school districts in this city. A single new building

could not give relief to all the places where crowding exists. The application of this method in the near future to several buildings would give immediate relief. Before the opening of another school year additional room must be provided or more schools will be put on half-time.

To meet these conditions to the best advantage, I recommend that the School Committee carefully consider the advisability of employing the alternating use plan as a means of providing sufficient accommodations.

Respectfully submitted,

CHARLES S. CLARK,
Superintendent.

Somerville, December 16, 1914.

To the School Committee:—

On account of the crowded condition of many of our school-houses it is now evident that provision must soon be made in various parts of the city to furnish more room. These needs cannot be met by action taken only in one part of the city. Additional accommodations are needed in several districts. How shall they be provided?

The School Committee, having decided to consider the alternating scheme of school organization, requested the Superintendent to report how the plan might be used with advantage in the Somerville Schools. To comply with this request the following statement is submitted.

What is the two-unit plan of school organization? Briefly, it is a method designed and employed to increase the number of pupils which a building can accommodate, a device to make a school plant yield its maximum service in carrying capacity. It is essentially a matter of programme making. It necessitates dividing pupils into two groups which shall alternate in the use of regular classrooms and special provisions. If the special provisions are adequate, the carrying capacity of a building may by this plan be increased 100 per cent. Less adequate special provisions will produce an increase varying as the conditions vary. In the Gary plan it is claimed that 100 per cent. increase is made possible. For example: The Jefferson School is a nine-room building having an auditorium seating 240 and an attic which has been floored for a playroom. One of the nine rooms is used for a kindergarten. There are now accommodated in the remaining eight classrooms sixteen classes of forty children each, grades one to seven. Next year there will be twenty classes for grade children. The additional capacity will be secured by using a basement room for cooking. This result of the alternating method is secured by conducting special activities in the auditorium and play spaces, which engage the attention of a number of pupils equal to the number engaged at the same time in classrooms, shops and laboratories. The auditorium and play spaces inside and outside of the building are essential to this plan. A longer school day is also desirable. The alternating method as used in Gary is only a device of economy whereby is made possible a rich programme of educational activities, which it is not pertinent here to discuss. The points to be kept in mind are that place must be provided for the special activities which alternate with the regular studies; that such places may be found in parts of building not commonly used to increase the carrying capacity of the plant; and that the activities to be conducted in these

places may be taken from the curriculum. An illustration of this statement is found in the Sewickley, Pa., plan, which is reported by the United States Bureau of Education under date of November 16, 1914. In this place it was desired to add supervised play and industrial work to the curriculum without adding materially to the cost of instruction. A programme was arranged whereby regular classroom work alternated with manual training, domestic science, music, drawing, supervised play, and physical training. Whether the motive in adopting the alternating plan is to practise economy in providing needed school accommodations or to provide a way for adding desired features to the school curriculum, it is necessary to have places where the special activities can be conducted. A new building planned for the purpose can carry double the number of pupils accommodated under the single unit plan in a building of the same size. Some buildings can with comparatively little cost be adapted to the same plan. Others cannot use it to advantage.

In Somerville the use of the plan would be governed by the conditions under consideration. The curriculum of the schools provides material for all the special activities required in an alternating programme. In several localities where there is overcrowding, this plan can be used with resultant increase in accommodations if necessary changes are made in the buildings to adapt them to this purpose. At the Hodgkins, Hanscom, Brown, and Forster such changes would produce beneficial results. Here I will only discuss the situation in the first two buildings.

The Hodgkins is a twelve-room building having an attic which can be converted into a hall and spaces for small laboratories. In the basement re-arrangements could be made to provide play rooms and work shops. There is a large playground with various kinds of apparatus. With the alterations which can be made three hundred and fifty more pupils could easily be accommodated under the alternating programme. This condition would make it unnecessary to continue the Lincoln School and would thereby save the cost of care, heat, and light at that building. The alteration could undoubtedly be made during summer vacation so that the benefits might accrue in the fall.

The case of the Hanscom School is quite different. The East Somerville schools are full. Neither the Prescott nor the Edgerly is fit for use under the alternating plan. A modern schoolhouse could be built in that region to be operated with a duplicated programme. But until this can be done other measures must be taken. The Hanscom has ten regular classrooms, with two rooms in the basement. These are now used as classrooms, but are not well adapted to that purpose. There is a large attic which has only one stairway. Building another stairway and providing light would make this attic a desirable place for physical training work. With these changes the alternating plan might be put into effect in that building at the beginning of the next semester, thereby providing immediate and needed relief for the schools of that part of the city. Such a step would not hinder the erection of a new schoolhouse, but it would provide relief pending the execution of that project.

The Forster and the Brown offer equal opportunities for the operation of this plan and present equally cogent reasons for its adoption.

By way of summary it may be stated (a) that this plan offers a means of greatly increasing the school accommodations of the

city at an immediate outlay much less than that caused by any other course which would give equal result; (b) that the operation of this plan would year by year save the overhead charges incident to other provisions of additional accommodations; and (c) that it necessitates no educational innovations but provides opportunities for doing better some of the things which are now being done.

Respectfully submitted,
CHARLES S. CLARK,
Superintendent.

Passing to a consideration of the accommodations for secondary schools we see there a full use of all available space and a need for more. Every room in the High School is in use and there is a demand for more, even to provide stations for class recitations. The laboratories are insufficient for so large a school and there are neither gymnasiums nor exercise rooms of any kind. Both vocational schools are using every available space in their buildings and are halted in their development because of lack of room in which to expand.

While this review of the situation in respect to accommodations leads to the conclusion that the schools have outgrown their houses, there is comfort to be found in the fact that no unwise step has yet been taken, and that an opportunity awaits to do the thing that will bring the largest measure of advantage to the schools of this city. What is the right thing to do, with a forward look of fifteen or twenty years? To answer the question one must consider the tendencies of the times regarding the school organization. It is safe to say that there is a strong and growing opinion that the organization of the schools which has been in use generally for years is not satisfactorily adjusted to the needs of pupils between twelve and sixteen years of age. This is the period generally spent in the last two years in the grammar schools and the first two in the High School. It is contended that during the last two years in the grammar grades there should be given the pupils things to do which are representative of the general activities of the world toward which they now for the first time are conscious of moving. Dawning maturity demands a chance to engage in works of mature life. Study of books alone does not suffice for this period. The desire to leave school is born then and grows to be satisfied in many cases when the pupil reaches fourteen years of age. It is contended, moreover, that pupils who will stay in school only until the age of sixteen should have opportunities for training designed to fit them to do something useful

when they leave school. To meet these needs it is urged that after the sixth grade varied experiences should be provided by means of parallel courses which would offer elements of business and industrial work as well as the elements of higher scholarship; and that these courses should be continued beyond the elementary stage so that pupils might secure thereby a preparation for self-support if they must leave at sixteen years of age. These views have been urged with increasing insistence for the last half-dozen years and are now becoming effective in school organizations all over the country. But while there is a growing acceptance of these principles, there is no uniformity in the methods used to give them effect. Two general plans, however, give ground for all the variations. One is to provide differentiations in the upper grades of a grammar school; the other is to segregate the upper grammar grades and provide for them in one or more buildings devoted solely to their use. The latter disposition, especially when the first year of the High School is added to it, is frequently called the Junior High School.

Each plan has its peculiar advantages. The first plan has the advantage of nearness to the homes of the pupils who attend the school; of a favorable reaction on the lower grades of the same school; and of increasing interest of parents in the work of the school as a whole. Its disadvantages are the probability of inadequate space and equipment. The second plan has the advantage of superior organization and equipment due to dealing with a large number of pupils in one unit. It has also the advantage of economy in that less equipment is needed for a given number gathered in one building than would be required for the same number provided for in different buildings. Its disadvantage is in its remoteness from the homes of the pupils who attend it.

We have already at the Forster School made a beginning under the local plan. Several communities in this state have gathered the highest grammar grade in one building for other reasons than for making there a junior high school.

I have brought these conditions to your attention at this time because they are all related. If we are about to provide more accommodations, where shall they be made and how shall they best serve the needs of this community for the next generation? It seems to me that we are now at a point where action may be wise or unwise, according as it helps or hinders preparation for the needs which lie before us.

Work of the Schools. The elementary schools have continued during the last year the steady, faithful and efficient work which they have been accustomed to give through many years. As no changes were made in the curriculum or in the conditions governing their work teachers had the advantage of doing that with which they had become familiar through practice. The promotion sheets showed a movement of pupils through the grades which is in keeping with the performance of the best schools. A large group of pupils were sent to the High School. In the High School the pupils are sustaining themselves well as compared with the record of previous years and the pupils promoted from the elementary schools compare favorably with those received from other schools. There are many ways of judging schools, some of which are devised apparently to discredit them and others to give prominence to the method itself, but in the long run the best test of the things which our elementary schools have been attempting are those which I have given. Some things our elementary schools have not attempted because no adequate provision therefor was available, but this is no cause for withholding commendation for the accomplishments which they have made. Equally to be commended in the elementary schools is the spirit which pervades them. Friendliness, sympathy, and helpfulness abound. The schools are pleasant places for the children. As an evidence of this fact it is interesting to know that principals and teachers have done much to provide additional advantages for their pupils by raising money through entertainments and other means. Pictures, books, music machines, projecting lanterns, play apparatus, and other accessories have been added to the resources of the schools through the interest and energy of teachers and have given their powerful contributions to the influences tending to promote the growth of best ideals among the pupils.

The High School completed last June its first year of work under normal conditions. When the present organization was effected it was necessary on account of the lack of room to have overlapping sessions for sections of the school. But the year ended last June was spent in a plant large enough to permit all pupils to attend the same session and to give to every teacher a home room. Consequently there was more comfort and satisfaction in doing the work both for teachers and pupils. During the year the work of the several large programme units was more clearly defined and intensified. Wherever possible

improvement was made. The school as the conservator of the interests of all the high school youth of the city has a heavy responsibility. This it is trying to meet as well as it can with the facilities at its command. Its undertakings are grouped under these general heads: preparatory, commercial, general, and manual arts. The order observed in giving these names shows the importance of these courses due to the number of pupils engaged in each. Last June the enrollment of the school was divided among these courses as follows: preparatory, 932; commercial, 808; general, 250; and manual arts, 75. Of the graduates last year the distribution was as follows: preparatory, 135 commercial, 102; general, 36.

The preparatory course, the largest group in the school, has for its aim fitting pupils for colleges, normal schools, and other higher institutions of learning. Its curriculum is determined for it in a large measure by the requirements of these higher institutions. Grouping of studies and methods of instruction to meet the requirements of the higher institutions are somewhat under the control of the school. In this work during the last year there has been keen interest and much has been done to improve the organization of the preparatory work of the school. The records of the school show in comparison with other years that in the number of pupils taking and passing examinations, going to college upon certificates, and sustaining themselves after entering the colleges, the school is maintaining its highest standards.

The commercial course affords the opportunity desired by many pupils. It is sought undoubtedly by them as the direct route to a job. This work is vocational in nature and must stand or fall according to its efficiency in vocational results. Its chief vocational fields at present are bookkeeping, stenography, and typewriting. Associated with these fields are others of academic work intended to increase knowledge and develop power of application and concentration. In the four-year course the aim is to train a competent bookkeeper, stenographer, or typewriter operator. These studies are also available in combinations prescribed in the course of study for pupils who will spend only two years in the High School. It is the aim of this shorter course to give those who take it such studies and training as will be useful to them in getting and filling the places in shops, stores, and offices which are open to youth of their age. In pursuance of this aim it ought to be and doubtless will become possible to permit ambitious pupils who must leave school as early

as possible to intensify on some one of these vocational lines by spending a longer day in the school.

Another plan under contemplation this year which will be tried during the second semester is to give all the members of the graduating class some experience in actual office work as a part of their school training. In these and other ways the commercial course is being conducted to meet the demands of the day. We should look forward to the time when other elements of business can be introduced so as to give more opportunities for preparing for business work.

The general course is designed for those pupils who do not either by inclination or nature early determine the direction of their lifework but who wish to prolong the period of self-discovery and while doing so to pursue a literary course in a scholarly and appreciative manner. For such pupils this course offers an attraction. Not bound by the requirements of colleges, free to select and organize studies to meet its aims, this course has a singular opportunity to develop love of learning, appreciation of literature through sympathetic and not too hurried or formal study of its masterpieces, and knowledge of civic and social obligations through study of real and ideal community living. While it may not be possible to justify this course by setting up a vocational target for its aim, satisfaction can be found in the reflection that many men and women have not decided their life work before leaving the High School and that the training which it gives will be a good preparation for making a choice when the time comes and a good foundation for the selected specialty when it is chosen.

The manual arts course is designed for pupils who are disposed to do things with their hands and who think and learn best in connection with the concrete. For such pupils a group of studies has been arranged giving boys mechanical and freehand drawing, two years of woodwork and one year of metal, with academic work. Girls have freehand drawing, cooking and dressmaking. This course is comparatively new for girls and has not had facilities for extensive work. Also there is not a sufficient provision for third and fourth-year work for boys. For these reasons, in part, this course is numerically weak. Nevertheless, in spirit and performance it is second to none in the school. Within its limitations this course is fully up to the most advanced standards.

Vocational Schools. The Girls' Vocational School has continued to furnish a type of education fitted to the

needs of many girls. Under the classification made by the State Board of Education the school is known as a Household Arts vocational school. Its aim is to train young women in the specific efficiencies which combine to make a good housekeeper or housewife. Cooking, buying, management of domestic accounts, dressmaking, millinery, and related bookwork form the principal parts of the curriculum. The girls spend one-half of the school time in doing and the other half in study and recitations. This course of training has proven stimulating and effective and under its influence pupils have developed in strength of character and self-confidence to a most satisfactory degree. Since girls must look forward to an interval between school and marriage during which they must be self-supporting, a secondary aim of the school is so to train them in hand work that they may have skill in some one of the occupations which will be of immediate service in self-support when the pupil leaves school. Last June seventeen girls were graduated. Their accomplishments were entirely satisfactory to their friends and gratifying to all who have had any part or interest in the management of the school. This school has now been in operation three years. It has passed the experimental stage and has acquired a body of theory and practice which gives it real prominence and importance among schools of its type in this state. Its growth is now checked by limitations of space. Its home is crowded in every part. It is surprising that teachers and pupils have done so well under these conditions. If this school could be moved to commodious accommodations its work could be broadened and enriched, more pupils would be entered in its classes and the cost per capita would be materially reduced. Under such circumstances the building now occupied could be used as a home school in connection with the Carr Elementary School. I regard the development of this vocational school as of first importance among our educational enterprises. There are many girls in this community between fourteen and sixteen or seventeen years of age who neither want nor are fitted to spend all their time at books. They want and need a training which centers around those ideas which are the heritage of the women of our race. Such girls should have every encouragement in wanting these things to the end that they may have the benefit of their praiseworthy inclinations and also to the end that the number of girls who want such training may be increased.

I commend to your immediate attention the merits and needs of this school.

Boys' Vocational School. This school is now in better condition than at any other period of its four years of existence. Two new instructors having been added this fall to the shop work side of the school the size of classes in the shops has been lowered to the standard approved by the State Board of Education. From this time on the boys will have abundant opportunity for constructive work both in the shop and upon miscellaneous jobs of a commercial nature. Extensive alterations and improvements in the building are now being made by the boys and there is a long list of orders awaiting them when this job is finished. The prospects of the school are most encouraging, but it needs more room.

The aim of the school is to give to boys of fourteen years of age such a training in machine shop work, cabinet making, and carpentry as will enable them to get employment as apprentices in the lines upon which they have entered. It would be well to add another year of training in all of the trades represented as soon as more room can be secured. The graduates last June numbered eleven. I want to record here an appreciation of the merit of the work performed by the first principal of the school, E. Minor Morse, who resigned last June, to go into other work. Mr. Morse organized the school, in a time when there were no other established schools to copy. His work was wholly creative, whole-hearted and self-sacrificing to an unusual degree. Its value is attested by the fact that his successor is proceeding on lines already established. Under the management of the new principal, Harry L. Jones, whatever of good has been wrought will be conserved and new efficiencies will be added.

This school is a place where genuine training is given boys. It is not a disciplinary institution in any other sense than that which applies to other schools in our system. The shop work is of a commercial order, its instructors are all experienced workmen and men of strong personality and influence. Since boys may enter this school when fourteen years of age, without reference to their grade in the regular schools, it follows that some who are low in grade work are members of the school. The experience of the school has been that such boys take a new interest in their books after entering this school, become anxious to get the related studies and learn faster than before. Not a few of them go to evening schools also, still further showing an interest to make up the deficiencies of their

attainments in book learning which they have in this school been caused to realize. Moreover, there is noticeable in this school a growth of self-reliance and power to do, which is also evident in the Girls' Vocational School. It is an admirable quality, one which will be of value when the boys leave school. I cannot help thinking that this school work should be offered to boys on such terms as to make it appeal to them as strongly as do the courses in the High School. There are many boys whose upward path must be trodden through scenes of constructive undertakings. That is their way of growth, their approach to worthy rewards. This school combines the elements of work and study in such a manner as to provide the discipline of mind and hand most favorable for them. That more boys may have this training is desirable. To bring this about additional accommodations will be needed. The earlier such provisions can be made the better it will be for the school.

I have now shown that our three undertakings in secondary education, the High School, the Girls' Vocational School, and the Boys' Vocational School, all need more room. This state of affairs need not be regarded as three problems demanding three separate answers. One solution for all of them can be found in one adequate new building. The interests of secondary education in this city will require new accommodations in the immediate future.

An Intermediate School. Since September there has been conducted in the Forster School a programme of studies which represents a departure from our practice in elementary schools. This undertaking is a provision for differentiated courses above the sixth grade, a measure which was fully discussed in my last annual report. After careful consideration the school committee at a meeting held on June 15th adopted this idea by passing the following order:

Ordered: That the programme of studies in the 7th, 8th and 9th grades of the Forster School be arranged so as to offer next September to the pupils of that school differentiated courses as follows: preparatory, commercial, manual arts and grammar school, all of which courses shall devote approximately two-thirds of the time to the regular studies of the curriculum and one-third to the differentiated courses.

The Forster School was a favorable place for making this experiment, because of the fact that the plant consists of two buildings, the smaller of which could be devoted wholly to these new courses. It was decided to devote the smaller building to this purpose and to start

the classes in the new courses when school opened in September. As a preliminary measure the superintendent of schools caused the following circulars to be sent to the parents of pupils in the grades above the sixth.

**FORSTER SCHOOL INTERMEDIATE COURSES
SOMERVILLE, MASS.**

_____ 191

Name _____ Grade _____

I desire to take the studies of the _____ course
at the beginning of the next term.

_____ (pupil)

Approved, _____ (parent)

**FORSTER SCHOOL INTERMEDIATE COURSES
SOMERVILLE, MASS.**

June, 1914

Next September the School Committee will make a new arrangement of studies for the grades above the sixth at the Forster School. Under this arrangement about two-thirds of the school time will be given to the usual school studies, but the remaining one-third will be devoted to special subjects. These special subjects will be grouped in connection with the regular studies so as to make four distinct courses: Preparatory, Commercial, Manual Arts, and Grammar School. These courses will be made up as shown below:—

PREPARATORY COURSE—24 Hours per Week.

10 hours to Literature, Composition, Spelling, Penmanship, Mathematics, Geography and History.

4 hours to Physical Training, Music, Recesses and Opening Exercises.

5 hours to Latin or a Modern Language.

5 hours to Drawing, Designing, Printing, Woodworking, and Repairing. (Household Arts for Girls.)

COMMERCIAL COURSE. 24 Hours per Week.

10 hours to Literature, Composition, Spelling, Penmanship, Mathematics, Geography, and History.

4 hours to Physical Training, Music, Recesses, and Opening Exercises.

2 hours to Drawing, Designing, Printing, Woodworking, and Repairing. (Household Arts for Girls).

8 hours to Typewriting, Bookkeeping. Business Arithmetic, and Related Design.

MANUAL ARTS FOR BOYS—24 Hours per Week.

10 hours to Literature, Composition, Spelling, Penmanship, Mathematics, Geography and History.

4 hours to Physical Training, Music, Recesses, and Opening Exercises.

2 hours to Drawing and Designing.

8 hours to Printing, Woodworking, and Repairing.

HOUSEHOLD ARTS COURSE FOR GIRLS—24 Hours per Week.

Same as Manual Arts Course for Boys with the substitution of Household Arts for Woodworking, Printing, and Repairing.

GRAMMAR SCHOOL COURSE—24 Hours per Week.

Same as present work.

The successful completion of any of these courses will earn a grammar school diploma and admission to the High School. Each course will fit one in the High School but a pupil may select in the High School a course different from the one he pursued in the Intermediate School.

In order to aid the school authorities to establish these courses next September, parents whose children will be in any grade above the sixth in the Forster School are requested to decide which course they wish their children to take, and to fill the Choice Card and return it without delay to Joseph A. Ewart, Master of the Forster School.

Care will be taken in administering this plan to see that a pupil is properly placed if his first choice of course proves mistaken.

CHARLES S. CLARK,

Superintendent of Schools.

Before the close of school in June the principal of the Forster School, Joseph A. Ewart, had received replies from all of the parents expressing their preferences for their children. The distribution of pupils among the courses was as follows: Preparatory, 115; commercial, 104; household arts, 23; and manual arts, 19. The regular studies were grouped in such a way as to give a few subjects to each teacher and to permit conducting the school on the departmental plan. A specialist was provided for each of the following: typewriting, drawing, Latin, household arts, including cooking and sewing, and manual arts. By reason of changes in the teaching corps, such as resignations, transfers, etc., these special teachers were employed in place of regular teachers and the whole cost of instruction in the new enterprise was no greater than that of the old. Certain immediate aims are sought in this undertaking. The first and most obvious is to provide opportunity for each pupil to pursue studies most suited to his temperament, tastes, and purposes. Second, to give greater intensity to school work through interest aroused by selection. Third, to provide at an early period an opportunity for experimentation whereby the individual can test himself and find his aptitudes. Changes can be made at this period with less loss to the individual than would result later on.

As the choice of courses was made by pupils late in the last school year without much preparation therefor, it was to be expected that some mistakes would be made

which would be shown by demands to change courses. Very few requests have been made and it has been the policy to discourage them. But at the end of the first semester a full opportunity to change will be given. Under these circumstances there is no reason for any pupil to become misplaced.

It should be understood that the offerings of the present curriculum are not as complete as will be the case when the plan has been in operation a longer time. It is too early to speak dogmatically about results. However, certain appearances are of interest and worthy of note. Among them are these: The work in English, arithmetic, grammar and other regular studies is progressing favorably, stimulated by the departmental organization of teaching. Typewriting and related business work makes a strong appeal to the interest of the children. The teacher of Latin, who is also a teacher of that subject in the High School, expresses satisfaction with the work her classes are doing. She expects that a year's work in this school will equal a half-year's work in the High School. The household arts department was delayed in starting because it had to wait until the boys could build the cooking tables. But, during the latter part of November these tables were ready and the girls began to cook. To them belongs the distinction of being the first class in cooking in the elementary schools of this city.

The manual arts boys have been busy from the beginning. Starting with an equipment of tools they have made benches, tables, racks, etc., for their own rooms and built the two large tables for the cooking room on which the gas stoves are set. In addition to this they have set up seven type racks and distributed therein thirty-four cases of type and have done considerable printing. These boys want to stay after school to work either at the press or upon some bit of constructive work. For some of them this is a change little short of wonderful.

The equipment so far provided for this work is as follows: For the manual training department:—

A shop set of tools consisting of eight hammers, twenty saws, twenty planes, twelve try-squares, twelve gauges, twelve mallets, four bit braces, twelve hand screws, bench vise, mitre box, chisels, and various small tools.

For the printing department: One Chandler & Price 10x15-inch press, one Oswego lever paper cutter, nineteen cases body type, twelve cases heading and heavy face type, three cases italic type, furniture, type racks, etc.

It is interesting to note that the number of fourteen-year-old pupils who left school to go to work is only a little more than half of the number of pupils fifteen years old. The number of fourteen-year-old pupils in the schools on October 1, 1913, was 977; on October 1, 1914, it was 1094. By comparison of 248, the number of fourteen-year-olds who went to work, with the fourteen-year-old group of either year it is seen that the proportion who left to go to work at the earliest possible age was approximately one-fourth of that age group. The last grade attended by these pupils is shown below:—

	Children
Grade 4	12
“ 5	14
“ 6	46
“ 7	56
“ 8	48
“ 9	59
“ 10	12
Boys' Vocational	1
	<hr/>
	248

It will be noted that only twenty-six had failed to reach the sixth grade; forty-six more stopped before entering the seventh grade. Adding these two numbers we see that seventy-two of the 248 fourteen-year-old pupils who went to work were below the seventh grade. Comparing this with the mean number belonging in the fourteen-year-old group that year we find about seven per cent. of the pupils in the fourteen-year-old group went to work last year without having attained the seventh grade. In the absence of statistics of other years or other places with which to make a comparison, this record may stand as an index of a good condition in this respect. Corresponding figures for the fifteen-year-old group are shown below:—

	Children
Grade 4	11
“ 5	25
“ 6	60
“ 7	89
“ 8	58
“ 9	134
“ 10	38
“ 11	6
Girls' Vocational	4
Boys' Vocational	1
Bell Atypical	3
	<hr/>
	429

The law requires a minor to get a new certificate when

he changes his job. Some idea of the stability of these workers is shown in the number of re-issues. The number in the various classes is shown in the tables given below:—

Fourteen-year-old children, received	1	certificate,	198
	2	"	40
	3	"	9
	4	"	1
			<hr/>
			248

Fifteen-year-old children, received	1	certificate,	210
	2	"	126
	3	"	51
	4	"	28
	5	"	3
	6	"	5
	7	"	2
	8	"	2
	10	"	1
	12	"	1
			<hr/>
			429

Educational certificates issued, literate	1	certificate	2,199
	2	"	343
	3	"	120
	4	"	43
	5	"	16
	6	"	3
	7	"	1
			<hr/>
			2,735

Educational certificates issued, illiterate	1	certificate	198
	2	"	34
	3	"	9
	4	"	1
			<hr/>
			242

The divisions of these applicants into classes of native and foreign born presents some interesting phases. They are noted below:—

Fourteen-year-old children, foreign born.....	26
native born.....	222

	248
Fifteen-year-old children, foreign born.....	43
native born.....	386

	429
Literates receiving educational certificates, foreign born	288
native born	2,437

	2,725
Illiterates receiving educational certificates, for. born....	239
native born....	3

242

In every class native born applicants predominate, except in the class of illiterates, where 239 of the 242 were foreign born.

The issuing of these certificates takes a tenth of the entire office time. It is an important work which accumulates data of a kind valuable to the schoolman and to the sociologist. With our present office facilities we are not able to make the best use of this data. I hope during the present year to find means of improvement without adding to the labor of the office force.

Night Schools. From the statements in the preceding paragraph it can be inferred that we have enforced claimants for evening school instruction, inasmuch as illiterate minors at work must attend the evening schools. Such is the case and our evening schools bear witness of the fact. The cosmopolitan character of these schools may be seen from the following classification by nationalities:

United States	234	Newfoundland	5
Italy	263	Norway	4
Greece	75	Scotland	3
Russia	45	Spain	3
Portugal	26	France	3
Ireland	23	Armenia	3
Sweden	13	England	2
Germany	11	Poland	2
Canada	9	Brazil	2
Turkey	8	Finland	2
Austria	6	India	1

743

No more interesting work is to be found in our educational activities than that of the night schools. The foreign born members of the elementary schools win the respect and affection of their teachers by their earnestness and simplicity of conduct. Their progress is encouraging and their gratitude for help is touching. Some of them have superior attainments in everything but English. The elementary night schools have a larger enrolment this fall than ever before. They are well conducted and efficient. The evening High School had the largest enrollment this fall that it has ever recorded. This school serves a constituency ranging from a graduate of the grammar schools to a graduate of the highest university. In occupations the range is from office boy to professional man and from shop girl to school teacher. This school is well organized, well equipped, well taught, and thoroughly efficient. The provisions made by the city for night schools are ample and wholly creditable to the city.

Play. During the summer vacation playgrounds were

conducted under supervision provided in part and wholly controlled by the School Committee. The work following on lines laid down in other years and helped by the experience of those years was the most efficient attained since the beginning of this movement. As programme details have been explained in other reports I do not need to repeat them here. Financial facts are given in a table shown elsewhere in this report. But here I want to make some comments suggested by my observations upon the matter of play in this city. Adults can be taught the value of play in either of two ways, if they need to be taught. First they can recall, and draw conclusions from, the play habits of their own childhood. Second, they can draw instruction upon this subject from the works of writers who expound the value of play as a means of promoting mental, moral, and physical growth. Not stopping to prove this contention but assuming that it is conceded I go on to comment upon the conditions here which make it difficult for children to get a sufficient amount of play. This is known to be one of the most densely settled cities in the country. There are few unoccupied lots upon which children are allowed to play. The public parks are remote from the homes of the majority of children. The streets are dangerous, being crowded with fast moving automobiles. Backyards do not exist any more as play spaces. For one reason or another the school yards are not used after school by pupils. As a consequence play languishes and with it those sterling qualities which play alone fosters in youth. Should not something be done about such a matter? Cannot something be done about it? And if both of these questions are answered in the affirmative, is not the School Committee the public agency in this city to take note of this condition and propose measures to help it? By way of a beginning I suggest that play leaders might be employed several afternoons each week to organize and direct play in school yards. We have in our summer playground corps young men and women well-trained for this work who could be secured for this service at a small cost.

I am glad to be able to report that play is recognized by our teachers as a valuable auxiliary to their work. As a means of physical exercise in a school and as a means of recreation at recess, play is assuming important proportions. I believe this movement should be stimulated in the schools and further provision made for its accommodation and equipment. Now we are in a good position to advance safely. Through your action whereby Ernst

Hermann was made supervisor of physical instruction in our schools we have the aid of a man of boundless enthusiasm for the physical betterment of children, a man at the very top of his profession. Under his leadership I hope we shall develop a plan which will embrace all the needs of our schools, both secondary and elementary. While this is being done play spaces should be secured for some schools; play yards should be made fit to use all the year around at others; play material should be bought for schoolroom use, and school hygiene, including temperature and ventilation of schoolrooms, should receive attention. In these ways society can give back to the children of today the privileges which their parents had of free play and which have been taken from them by the encroachments of buildings upon the unoccupied spaces of former days.

Conclusion. Particulars of various phases of the work of the schools are given elsewhere as a part of this report by the heads of the High and vocational schools and of other special branches. I commend them to your attention as carefully considered statements of what is being undertaken and accomplished in these enterprises.

During this year the School Committee has accomplished such of the undertakings recommended in the last Annual Report as were in the scope of their authority. No new accommodations have been provided in response to those recommendations. Therefore in bringing together, as a summary, the needs discussed in this report, I give leading place to accommodations. I recommend that the School Committee seek to accomplish the following during this year:

To secure additional accommodations for secondary education to meet the needs of the High School, the Boys' Vocational School, and the Girls' Vocational School.

To secure additional accommodations for elementary schools by means of either or both of these measures:—

(1) A new schoolhouse in East Somerville.

(2) Alterations of certain schoolhouses in various parts of the city.

To start a policy of buying each year land to increase the yards at several schools, with a view of providing a more adequate opportunity there for play of school children and to make a beginning this year at one of the following schools: Forster, Knapp, Carr, Pope, or Baxter.

To begin a policy of grading and surfacing one school yard each year, to be continued until the yards of the following schools are in proper condition for play throughout

all the year: Carr, Perry, Bingham, and Glines.

To extend the summer playground enterprise conducted by the School Committee so as to provide play supervisors for after-school work at school sites where a favorable opportunity exists.

I thank the members of the School Committee for their cordial and kindly attitude towards me during the year. It has made my work a pleasure and has been a constant inspiration. I want also to give hearty recognition in this closing paragraph to the loyalty and good feeling of the whole teaching corps. This condition, displayed alike through quiet attention to routine duties and through instant response to special calls, is one of utmost importance to the successful conduct of the work of the schools. Its continuance is most essential and I trust that all of us, teachers, superintendent and School Committee, may have the wisdom, sympathy and courage which shall make its continuance certain.

Respectfully submitted,

CHARLES S. CLARK.
Superintendent of Schools.

December 28, 1914.

HIGH SCHOOL REPORT FOR YEAR 1914.

Mr. Charles S. Clark,
Superintendent of Schools,
Somerville, Massachusetts.

Dear Sir: I have the honor to submit my annual report of the High School for the year 1914.

The school has weathered during the last few years the double session plan, the combining of the two schools into one, and the many disturbances experienced during the building of a large addition. At last, in January, 1914, the carpenters, painters, and contractors of all kinds took their leave, and the school entered on a period of comparative quiet and comfortable quarters. It is indeed a marvel that the school has been able to survive the discomfort and inconveniences of the past few years; that it has been able to do its work and withal to show some evidences of progress is extremely creditable, and is indeed an evidence of the indomitable spirit of teachers and pupils.

In my report of 1913, I spoke of the drawbacks of the double session. The advantage to the first year class of uniting it with the upper classes in the morning session is shown in the following table:—

	Girls 1917-B	Girls 1918-B	Boys 1917-B	Boys 1918-B	Totals 1917-B	Total 1918-B
Number entering	236	245	225	221	461	466
Left before November	7	25	13	9	20	34
Number with records	229	220	212	212	441	432
Number of credit pupils	41	44	20	22	61	66
Per cent. of credit pupils.....	18%	20%	9.4%	10.4%	13.8%	15%
Number of failures	29	16	56	43	85	50
Per cent. of failures	13%	7%	21%	16%	19%	12%

The striking facts in this summary are (1) the decrease in failures from nineteen per cent. to twelve per cent., and an increase in honor pupils from 13.8 per cent. to 15 per cent.

Course of Study. The Board of Supervision with the headmaster have given considerable attention to a revision of the course of study, and have suggested some changes which should prove advantageous and progressive. The most important changes are:—

(1) In the College Course for Harvard and Radcliffe, French has been added to the work of the first two years. To prepare for these colleges in four years is a very difficult task and it is hoped that by increasing the work of the earlier years, the strain will be more evenly distributed.

(2) In the four year Commercial course, stenography will be begun in the second year and bookkeeping in the

first year, thus giving pupils three years of stenography or four of bookkeeping before graduation.

(3) In the two year commercial course, several subjects have been added, thus increasing the amount and scope of the work and giving to pupils who can stay in school only two years as thorough and practical a training as possible in the limited time. Pupils taking this course are required to return in the afternoon for typewriting.

(4) By the addition of Community Civics for all first year pupils. This subject has already proved very popular and valuable. Pupils are thus given an early training in the duties of citizenship and gain a vital interest in the government and welfare of their community.

All of these changes are along the lines of serious purpose and a spirit of work.

College Course. Pupils were sent from this school in September, 1914, to the following higher institutions:—

Boston College	5
Boston University	2
Dartmouth	2
Harvard	9
Holy Cross	1
Jackson	3
Massachusetts Agricultural College.....	3
Massachusetts Institute of Technology	10
Normal Schools	14
Radcliffe	6
Simmons	4
Smith	2
Tufts	16
University of Maine	1
Wellesley	1
Wesleyan	1
Wheaton	1
Total	81

The present Senior classes are preparing for the following institutions:—

Boston College	1
Boston University	3
Cornell	1
College of Osteopathy	1
Dartmouth	5
Harvard	3
Holy Cross	1
Jackson	4
Lasell	1
Mass. Institute of Technology.....	20
Mass. Agricultural College	7
Mt. Holyoke	4
Normal Schools	21
Pratt Institute	1

Radcliffe	4
Simmons	12
Smith	2
Syracuse	1
Tufts	14
Wellesley	1
Total	107

Pupils entering any of the above institutions excepting Harvard, Radcliffe, and Massachusetts Institute of Technology, are received without examination on the certificate of the school. This certificate may be obtained by any pupil who has done "B" or good work. Harvard, Radcliffe, and the Institute admit pupils on the examination plan only. Examinations for these colleges are often taken by pupils whose work in High School was not of high enough grade to warrant a certificate for any other institution. Failure on the part of such pupils to pass their examinations should not be counted against the school. Pupils recommended by the school as worthy to take college entrance examinations succeed almost without exception. The following table speaks for itself:—

MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

Preliminary examinations.

Number of pupils taking examinations	17
Number of pupils accepted	14
Number of pupils passing in all subjects.....	10

Final examinations.

Number of pupils taking examinations	10
Number of pupils admitted	10
Number of pupils admitted without conditions.....	4

HARVARD AND RADCLIFFE.

Preliminary examinations.

Number of pupils taking examinations	8
Number of pupils accepted	7

Final examinations.

Number taking examinations and recommended by the school	16
Number admitted	15

Commercial Course. While graduates from our preparatory course are doing commendable work at higher schools, graduates from our commercial course have been upholding the reputation of the school in the business world. Our pupils invariably secure good positions, and many words of commendation have been received from business houses regarding the fitness of our graduates.

School Bank. One distinct achievement of the commercial department during the past year has been the establishment of a school bank. At the end of the corridor

in the East Building, commodious banking quarters have been constructed. Banking hours are established before and after school. The bookkeeping and practical running of this bank is carried on by pupils. The money is deposited in a savings bank of the city at the regular rate of interest.

School Library. An innovation during the past year has been the assignment of a trained librarian from the public library to take charge of the school libraries. Her duties are to superintend the library-study of the pupils, to acquaint them with the use of books and of cataloguing methods, to confer with teachers and to assist them in bringing to pupils' attention special topics and the best ways to look them up, to help pupils at the public library to investigate topics assigned at school, and in general to bring the school and the library into close relations. The public library has been very helpful in devoting special shelves to the use of high school pupils and in sending to the school many books on timely school subjects.

DISTRIBUTION OF WORK BY SUBJECTS, DECEMBER, 1914.

Subject	No. of Teachers.	No. of Pupils.	Number Last Year.	Increase.
English	14	1902	1850	52
History and Civics.....	13	1422	1152	270
Mathematics	13	1058	1174	—116
Elocution	1	563	649	— 86
Chemistry	2	188	121	67
Physics	2	102	150	— 48
General Science	2	76	97	— 21
Biology	1	47	54	— 7
Physical Geography	1	19	...	...
Physiology	1	86	204	—118
Latin	7	498	550	— 58
Greek	2	33	66	— 33
French	7	593	594	— 1
German	7	450	365	85
Spanish	3	260	189	71
Manual Training	3	207	204	3
Mechanical Drawing	2	253	290	— 37
Freehand Drawing	2	279	236	43
Cooking	2	77	99	— 22
Dressmaking	1	177	95	82
Bookkeeping	7	378	123	255
Arithmetic	7	534	394	140
Penmanship	10	650	515	135
Commercial Geography ...	2	112	79	33
Commercial Law	1	84	47	37
Stenography	5	473	428	45
Typewriting	2	546	490	56

A large factor in the striking decrease or increase in certain subjects is the new course of study, which has re-

cently been put into effect. The change from the required to the elective list easily accounts for the decreased number of pupils taking mathematics (Algebra being no longer required in the Commercial Course), General Science and Physiology.

Gifts to the School. The school gratefully acknowledges the following gifts received during the past year:—

Twenty-four pieces from the Parthenon frieze, cleansed and placed on the walls of the school hall, and two bas-reliefs entitled "The Water Nymphs," purchased from the Art Fund.

A pianola, donated by the Girls' Dramatic Society.

A Victrola cabinet and records, donated by the Girls' Dramatic Society.

A large silk flag, presented by the Massachusetts Woman's Relief Corps.

Stage scenery for the hall, donated by the Girls' Dramatic Society.

A picture, entitled, "Lafayette Laying His Commission at the Feet of Columbia," by Blashfield, presented by the Class of 1914.

School Lunch. Beginning in November last, the school undertook the care and management of a lunch counter. This counter is under the direct charge of Miss Brown of the Girls' Vocational School. Luncheons are prepared and served by girls from the Girls' Vocational School and from the Household Arts Course of the High School. Lunches are served practically at cost, no article costing over five cents. The following menu for a week will give an idea of the variety and excellence of the food served:—

Monday

Pea soup
Scalloped tomato
Creamed potato and egg
Baked apple with cream
Sardine sandwich
Egg
Bananas
Cocoa, milk

Tuesday

Tomato bisque
Scalloped celery
Sausage and potato
Coffee jelly
Oranges and bananas
Rolls and butter
Cocoa
Milk

Wednesday

Cream of pea soup
Rice and tomato
Roast beef sandwich

Fruit jelly

Chocolate blanc mange
Cocoa
Milk

Thursday

Lima bean soup
Scalloped corn
Scalloped oysters
Newton tapioca
Orange pudding
Ham sandwich
Cocoa
Milk

Friday

Tomato soup
Salmon loaf
Vegetable hash
Stewed apricots
Bananas
Entire wheat sandwich
Cocoa
Milk

An average of almost 500 pupils has been served daily at this counter. Luncheons are also served to teachers at the close of school.

Practical Work by Pupils. Two illustrations will serve to show the trend of the school along practical lines.

1. By the girls in the Household Arts Course in the preparation of food and assistance at the lunch counter and teachers' lunch room.

2. By the boys in the preparation of a teachers' lunch room. An unfurnished basement room was placed at their disposal for this purpose. The walls of this room are finished with beaver board, and convenient doors and serving facilities connect this room with the kitchen, all done from carefully drawn plans in a workmanlike manner. The panelling, color scheme of the walls, curtains, furniture, and furnishings have been problems worked out in the shop, drawing rooms, and class rooms. The recent additions and changes in the building have also furnished many opportunities for practical work.

Students' Council. Although I have not yet been led to believe in "student government" or the management of the school by the pupils, yet I place great value on "student help" or a helpful co-operation between pupils and teachers. "School spirit,"—that subtle influence which we are all trying to get and which so often evades our efforts,—must spring from the pupils, and to be effective, must come from good impulses. In our school, an organization called the "Students' Council" has been very helpful along these lines. This council is composed of the officers of the various classes, four from each class, the Senior president acting as chairman. This council undertakes first to weld the student body together socially. To accomplish this, it organizes and carries out a series of entertainments given at the close of school at stated intervals. The talent at these entertainments is selected from the pupils, the discipline is entirely under the charge of the council, and the teachers are present as invited guests. Our experience has been that these entertainments have been of high order, the discipline excellent, and the effect upon the school admirable. Mass meetings for the development of athletic interest or for the consideration of larger questions of school life have been called by this council with very gratifying results. The assembling of 2,000 pupils in a large hall under student control, and excellent control at that, is an inspiring sight and one well worth encouraging. The first time that we allowed a meeting of this kind, I attended with inward fear and trembling. Since that time I

have looked forward to these events with pleasant anticipation. This council has also taken upon itself the function of an advertising committee, and informs the public through the press of the activities of the school. It is impossible to estimate the value to the school and to the pupils of this phase of our school life. The qualities which are emphasized and developed, good management, loyalty, manliness and womanliness, self dependence, a recognition of authority, and withal a kindly spirit toward all, cannot fail to be valuable assets in the lives of our men and women of to-morrow.

Athletics. In this activity the school has maintained a creditable showing. The baseball team earned the enviable distinction of securing the championship of the Suburban League, with but one defeat out of sixteen games played. In cross country running, two members of the school finished respectively first and second in the Worcester meet. Gymnastics for the girls has been put on a stable basis,—several hundred girls meeting twice a week for exercise in the Y. M. C. A. gymnasium, under the direction of seniors from the Sargent School.

Loss to the School. The school and the city suffered a severe loss in the death of Charles T. Murray. A valued member of the High School faculty since 1887, Mr. Murray left behind him a host of warm friends and a body of teachers who sincerely appreciated his devotion to his work, his excellence as instructor and administrator, his widespread influence among pupils and graduates, and his cordial and friendly co-operation. Any school can ill afford to lose a teacher of such virility and high standards.

With sincere appreciation of the assistance and valued advice of the Superintendent and School Board, I remain,

Sincerely yours,

JOHN A. AVERY,
Head Master.

REPORT OF THE SOMERVILLE VOCATIONAL SCHOOL FOR BOYS

Mr. Charles S. Clark,
Superintendent of Schools.

Dear Sir: I take pleasure in submitting to you my first report as Director of the Boys' Vocational School. The following changes and additions have been adopted since the opening of school in September: A new division of time has been made; four days in the shop, and two days in the class room devoted to related and non-related subjects. This time allotment has proved very satisfactory and meets the needs of the shop and the classroom much better than the former half and half arrangement. The woodworking department has been divided into two divisions, that of cabinet work and house carpentry.

Two additional teachers have been appointed, one in carpentry and one in machine work. The size of classes in the shops has been decreased to the standard approved by the State Board of Education. This change gave opportunity to increase the membership of the school from forty-eight to over sixty. Sixty-six boys are now accommodated and the school has reached the limit of its capacity. All available space is occupied and used to the fullest extent.

A somewhat detailed investigation of the success of past graduates shows that from the standpoint of the manufacturer and the graduate, a more complete course is needed. An additional year or a four years' course, would provide such a training.

The aim of the school is to give boys of fourteen years of age such training in machine shop work, cabinet work, and carpentry, as will enable them to find employment as apprentices in the lines for which they have trained. To do this efficiently and in accordance with the present industrial requirements, a longer training is necessary than is provided at present.

That the general public may have a clearer understanding of the school's activities I submit an outline of the work with recent changes and additions.

General Outline of Work

Trade Dept. Industrial Education	SHOP PRACTICE		70%
	Technical Trade	Trade English Trade Literature Trade Materials Trade History Trade Hygiene Trade Science Trade Mathematics Shop Management Shop Drawing	
	General Related Subjects	Applied English Applied Mathematics Applied Mechanics	8%
Department of General Subjects General Education	General Vocational Subjects	Industrial History Industrial Geography Social Science General English General Drawing	7%
	General Non-Vocational Subjects	Civics Ethics General Hygiene General Mathematics Physical Training Cultural English	15%

I submit the following statistics regarding the productivity of the shops:—

Cash receipts of shops:—

Machine work	\$105 14	
Wood work	87 65	
		\$192 79

Cash value of work done for the school:—

Machine work	\$168 55	
Wood work	97 27	
		\$265 82

Cash value of work done for other municipal departments or personal use:—

Machine work	\$147 75	
Wood work	\$384 40	
		\$532 15

Total		\$990 76
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Respectfully submitted,
HARRY L. JONES,

Director,

REPORT OF THE SUPERVISOR OF MANUAL ARTS.

Mr. Charles S. Clark,
Superintendent of Schools.

Dear Sir: The work in Manual Arts is conducted along lines formulated three years ago. After a successful trying out in the past two years the work shows marked improvement. This is evidenced by the pupil's awakened interest and the teacher's increased efforts. The many schoolroom exhibits held during the Christmas season testify the importance of drawing and handwork in relation to school and home life.

I believe the work in Manual Arts should continue with our present aim in view and as stated in my last report. The reasons are:—

I. The public schools are undergoing changes, and the work in drawing and handwork is at a point where in addition to the cultural value, we are laying the foundation for any industrial work that the school system may undertake in the future.

II. Recent personal study and investigation in the middle West strengthens my belief in a great number of important phases of our local work.

III. The United States Bureau of Education has issued an exhaustive report on the "Present Status of Drawing and Art in the Elementary and Secondary Schools of the United States." A few quotations show conclusively what may be standardized in the teaching of Manual Arts in the public schools.

"Two broad aims have come to be universally recognized in public school work, the professional or industrial, and the cultural. In general there are two broad classes into which modern civilization may roughly be divided. They are the consumer and the producer. All people may be classed under the first but comparatively few come under the second, and so far as the arts are concerned those few require natural endowments not allotted to the average. It were folly, therefore, to educate all pupils in drawing of art purely from the standpoint of the profession; the training of producers. For the average child then, the cultural aim is most suited. . . . The object is not to get perfect results on paper, but to train the senses, mind and hand to work together."

"The drawing and manual training should be made of practical use throughout the child's school life, that it may assert its educational value as a common means of expression. It should be utilized as a help in other studies." "Drawing is a general, not a special subject."

The following general aims should be kept in mind by all who have the work at heart:—

For the Primary Grades;

To develop the child's mental strength, to give power to invent, to develop imagination, to train in color discrimination, and to develop a sense of orderly arrangement and good proportion.

For the Grammar Grades:

To cultivate self-expression, keen and accurate observation and the sense of initiative; to teach the pupil to think for himself and to express his ideas to others; to influence industrial work through the teaching of design and the use of materials; to gain an appreciation and expression of good taste in dress and home surroundings, and to assist the pupil to find himself. The work in the Manual Training Centers is satisfactory. The model work is retained and the aim is to emphasize tool processes, general dexterity and skill in handling special material and tools. There is a good opportunity here for real correlation between class room and work shop.

For the High School:

To perfect the pupil's appreciative faculties; to study and develop technique and accuracy; to cultivate good taste as applied to dress and the home; to understand the relation of the arts to modern civilization; and to provide opportunity for specialization in the several courses. The work has become more and more industrial in character. The recent additions and extensions of the course offer opportunity for a large and valuable amount of practical work. If constructed by hired labor the work would cost the city many hundreds of dollars.

The equipment is still incomplete since the third year is but partially provided for and the fourth year is wholly in the future.

Respectfully yours,

HARRY L. JONES.

December 31, 1914.

REPORT OF THE VOCATIONAL SCHOOL FOR GIRLS.

Mr. Charles S. Clark,

Superintendent of Schools.

Dear Sir: The function of the Vocational School for Girls has changed, and has become more sharply defined; whereas the school started with the trade aim it has now become a home-making school. The home-making school stands in a class by itself in that it trains specifically for home makers; offering such subjects as will fit a girl to take charge of her own home in a skillful and efficient manner. This means an expansion of the course of study, all the students receiving instruction in cooking, dressmaking, and millinery instead of instruction in one of these subjects as in a trade school. We are, nevertheless, maintaining a trade standard in the different subjects, and placing the girls in the trades wherever it seems expedient in the individual cases. There are various industries that can be carried on in the home and some of these are taught, such as candy making, fancy rolls and bread making, mending and seamstress work.

Seventeen girls graduated last June, all of whom had shop experience in their chosen occupations previous to graduation, their success in this being a condition of graduation.

The placing of girls in a trade is not a primary purpose of the school nor are all the girls so placed. Recognizing that the average girl is in the trade seven years, and becomes a home maker thereafter, it seems wiser to give the broader training that will function in her life work rather than that which will function alone in the temporary industry.

Some of those sent to the school lack sufficient ability to hold their own in any skilled trade. Trade education can be of little use to them, but training in a vocational school may serve to make them more intelligent homemakers. However, it would be well to recognize the fact that even a vocational school can not make a skilled home worker out of the student who is lacking in native ability or the one who is far below normal grade in academic work. This school can do little for the pupil of fourteen or fifteen who has failed to get beyond the sixth grade in the regular schools. Such failure usually means slowness of perception. The idea of skilled wage earning is hopeless. Good housekeeping requires as much intelligence as skill in a trade. The only hope that can be held out in such cases, is that the girl may be trained to do a few simple manual tasks fairly well.

The plan of the home-making school is for the close correlation of subjects. These subjects carried into the home in the form of project work form the nucleus of the home making idea. School credit is given for tasks done at home under the direction of the teacher and as suggested by previous school work. Thus a girl who does all her mother's preserving is given credit for the time lost from school, provided the mother makes a satisfactory report of the work, and the teacher tests the product for the correct standard. Many of the girls are cooking all the meals and some of them looking after the house, and when this is correctly done, credit is given.

The close correlation of subjects is shown when a problem in dressmaking involves not simply the cutting and making, but the analysis of materials, and the study of designs suited to the individual; also the working out in arithmetic of the costs involved and ways of handling money, and for English the clear and concise statement of the way the dress is to be made, together with any letters that may be written in connection with the buying and the making.

In the dressmaking department the pupils are taught to work for each other as well as for themselves. Class work covers the cutting and fitting of garments, the alteration of bought patterns, and the modelling of paper ones from a design; the making of cotton, cloth, and silk dresses, together with all kinds of ornaments.

In the cooking department, in addition to the preparation of meals, the girls are taught the principles of a balanced menu, the nutritive value of foods, the apportionment of an income, the care of a house and of household furnishings, laundry work and sanitation. Some interesting experiments were worked out in the laundry class when soap was made and the cost estimated. It was found soap could be made at home for \$.16, while to buy an equal amount would cost from \$.44 to \$.58. Blueing was made in class and for fifteen cents the same amount could be made and of a better quality than a standard make that would cost \$1.65 for the same amount.

A splendid test of the homemaking training has been shown when the second year pupils cook and serve lunch in the new kitchen and lunch room at the High School. This has afforded another opening for training and placing in skilled lunch and tea room work for those with inclinations that way.

In the design course the girls are studying the principles of design that contribute most directly to the making of underwear, dresses, and the embroidery that would

be used on dresses, some illustrative sketching of hats and gowns, and a course which runs throughout the year, in the appreciation of beauty and simplicity of home furnishings. This course includes the choice of color schemes for different rooms, choice in arrangement of furniture, of wall and floor coverings and of draperies, the selection and arrangement of small furnishings such as pictures and bric-a-brac. The instruction is given by means of talks, and is applied immediately by the student in diagrammatic forms and later carried out in the home as far as is practical.

Realizing the lack of opportunities for a girl earning a fair living in the millinery trade, the millinery course is given to the girls who are likely to make their own hats, instead of a preparation for wage earning. However, should any desire to take up this trade, the training has been of the standard to enable them to take good positions.

A practical and valuable course has been developed in textiles. The analysis of materials under the microscope has been invaluable to the girls in selecting durable fabrics for their own use. Different kinds of materials and weaves are tested as to their composition and the amount of adulteration used. The different staples are studied, together with their growth and manufacture. The aim of this course is first, to develop a critical judgment in selecting material, and second to cultivate a wide acquaintance with different kinds of fabrics.

English and arithmetic are taught at first, as correlated subjects, as indicated in the dressmaking and cooking courses. Later the girls are encouraged to read and discuss good books. Special attention is given to the arithmetic connected with the expenditure of the home income, this being an essential part of the training of the homemaker.

The school is in a large measure self supporting. It takes in money from custom work, in dressmaking and millinery, and from the sale of food products. This income is sufficient to pay for material used in our product and for the necessary material used in practice work, so that the expense of the school to the City of Somerville is practically only that of the ordinary maintenance of the school building, and the salaries of teachers. This maintenance cost is borne to the extent of one-half by the State, and could be much lessened per capita by a larger building which would make it possible to accommodate a greater number of pupils without increasing the teaching force. At the present time there are many requests for admission

which have to be denied because of lack of accommodation which argues well for the beginning of the fourth year of the school's existence.

Respectfully submitted

MARY HENLEIGH BROWN.

REPORT OF THE ATYPICAL CLASS AT THE HODGKINS SCHOOL, 1913-1914.

Mr. Charles S. Clark,
Superintendent of Schools.

Dear Sir: The Atypical Class in the Hodgkins School has had its full membership—fifteen—all this year, with a waiting list most of the time.

In several cases the parents have asked admission for their children and in one case the family moved into the district so that the child might be within walking distance of the school.

The attendance throughout the year has been good, although many children come long distances. Tardiness and truancy are very rare.

During the year two children have been able to return to the grades and one boy has been accepted in the Vocational School. The academic work is necessarily slow. In some cases there has been wonderful improvement showing the value of individual work which is possible in a small school.

The physical work has been very satisfactory. The children are trained in rhythmic exercises and folk dances which are made more enjoyable by the use of the Victrola. Even the big boys seem perfectly willing to go into these dances and apparently get much pleasure.

They are enthusiastic over the yard games and have a good idea of co-operation and team work.

All games of competition are popular and give a splendid opportunity to develop the art of being a good loser and a courteous winner.

The second half of the year the room was equipped with three work benches and a complete set of tools. The boys have begun regular manual training work and also are encouraged to work out ideas of their own.

Chair caning has become quite an industry. At present there are seven boys in the class and six chairs in process. Toward the end of the year the children became so skillful that we ventured to take in work from outside. The people in that part of the city have been kind enough to give us their chairs and pay a fair price. In fact the orders have come in faster than we are able to fill them.

The children who wish, may have their own work, paying simply the cost of material. We have sold baskets and fancy articles, and with the money from the chairs have made about twenty dollars.

This has been spent for extra tools, cane, reed and other equipment.

Respectfully submitted,
BERTHA MARTINDALE.

January 7, 1915.

**REPORT OF THE ATYPICAL CLASS AT THE BELL SCHOOL,
1913-1914**

Mr. Charles S. Clark,
Superintendent of Schools.

Dear Sir: In the Atypical Class of the Bell School during the past year twenty-one pupils have been enrolled, ranging in age from eight to sixteen years. The two who reached the latter age were discharged, and replaced by younger children. Two proved upon trial not to be of the type for which the class is designed, and were accordingly removed. A fifth is now in the Girls' Vocational School.

The fifteen remaining pupils vary as much in aptitude and ability as in age. In arithmetic they range from the child who has done well when he has correctly written the figures from one to seven, up to the one who is doing, readily, multiplication of fractions. Yet this child, whose number sense is normal cannot, after more than four years of effort, read well in the primer. Few of the children progress evenly, but they all progress, each up to the measure of his ability.

Much time is given to hand work, which must be as varied as possible, not only to hold interest, but also to keep each child progressing. Just as soon as any kind of work has been mastered its value as mental training ceases. For the girls almost endless variations may be made in weaving, sewing, knitting, crocheting and basketry, while the boys like weaving, basketry, wood work and chair-caning. The boys have caned twelve chairs during the year. One boy, whom the others call the "boss caner," can do a chair without any help; and without a single mistake.

The children have been working busily and happily ever since September on Christmas presents, and were justly proud of their gifts when they took them home. The articles included sofa pillows, bags, work baskets, breakfast caps, pin cushions, mats, holders, worsted balls, reins, guest towels, dolls' quilts, dolls' knitted sweaters, napkin rings, blotters, pen wipers, letter openers, calendars, wrist bags, order boards, waste baskets, fruit baskets, stools and bookcases.

Respectfully submitted,
MARY ABBOT HOLT.

REPORT UPON QUESTIONNAIRE.

High School, Somerville, Mass.

Mr. Charles S. Clark,
Superintendent of Schools.

Dear Sir: During the last school year inquiry was made to secure from the pupils of the school information concerning their relation to the activities of the school. The results of this undertaking were shown in a report made by the teachers in charge of the inquiry and printed in the annual report of the School Committee for 1915. During the present year a second questionnaire was submitted to members of the Freshman class and the answers were examined and classified and formed the basis of a second report. This report is printed as a continuation of the study begun last year.

In March, 1914, a copy of this questionnaire was given to each pupil in the first year class of the Somerville High School. The pupils were asked to take questionnaires home in order that they might have their parents' assistance in answering questions which they might not understand. Practically one-third of questionnaires sent out were not returned or were worthless.

This tabulation, however, consists of answers from all the courses, so that the results are general and are not confined to one or two courses: Number sent out, 650; number returned, 432; average age, fifteen years, one month.

1. Do you expect to complete a course of four years in the High School? Yes, 370; no, 62. The questions 1 and 2 were answered by all who returned questionnaire and it shows that even in the first year, pupils have decided as to the length of time they hope to remain in the High School.

2. If not, how many years do you expect to stay? One year, 10; two years, 50; three years, 2. The large number of two-year statements is due to the fact that the majority of these pupils are taking the two-year commercial course.

3. If you do not expect to remain for four years, what is the reason? (A) Financial conditions, 14; (B) loss of interest, 6; (C) desire to go to work, 30; (D) lack of success in school work, 5; wishes to go to business college, 1. The answers to the third question are self-explanatory.

4. Please underline the course you are taking. General, 29; college, 102; scientific, 58; normal, 22; manual arts 17; commercial, 146; commercial two year, 54. The Commercial course claims the greater number of pupils although the College Preparatory is a close second.

5. What led you to choose this course? (A) Advice of parents, 324; (B) advice of teachers, 78; (C) advice of friends, 69; (D) success of others, 60; (E) belief in your own personal qualifications and ability for the work of this

course, 102. It is satisfying to find that so many pupils have relied upon the advice of their parents in the selection of their course of study.

6. Do you know what studies are included in this course? In the first year, yes, 406; no, 5; in the second year, yes, 345; no, 100; in the third year, yes, 156; no, 183; in the fourth year, yes, 126; no, 187. It is lamentable to learn that only a fraction of the pupils in the first year class know what studies are included in the succeeding years of their course.

7. What qualifications do you think you have for the work of this particular course? Like it, 23; ability, 13; ambition, 11; patience, 4; love of children, 5; accuracy, 3; promptness, 2; honesty, 1. An interest in electrical machinery (electrical engineer). I like to study languages and I know I will succeed. Adaptability to all conditions, knowledge of filing methods, etc., ability to pick out types of people and to suit them with books. A desire for the best training I can get from the High School. Being accurate and systematic. When in grammar school I was a good writer and a good mathematician. I have worked in an office. Like work, have good memory, write well, and am good at figuring. A desire to learn higher mathematics and instruction in other subjects required. Believe past school records will assure you that I am adapted to this line of work. I am a good scholar, I like to teach, and I intend to be educated enough when I get through school to teach well. Ability to adapt myself to conditions and love of books. A natural aptitude for figures. Persistency. Ambition and a desire to get a college education. The majority of answers to this question were practically useless, for evidently the pupils had never considered their adaptability for the work of any particular course.

8. (a) Have you decided by what line of work you intend to earn your living? Yes, 208; no, 130.

8. (b) What is it? Follow out commercial lines, 1; stenographer, 74; bookkeeper and stenographer, 3; librarian, 4; civil service, 5; teacher, 36; United States mail or customs house, 1; commercial work, 3; billing clerk, 1; auditor, 2; typist, 2; dentist, 3; business man, 1; kindergarten teacher, 4; teacher or actor, 1; editor, 2; accountant, 1; doctor, 3; private secretary, 8; cartoonist, 3; drawing teacher, 1; bookkeeper, 7; physical director, 2; head milliner, 1; electrical engineer, 9; civil engineer, 20; music teacher, 4; milliner, 2; lawyer, 4; agriculturist, 4; printer, 1; professor, 1; chauffeur, 1; nurse, 1; violinist, 1; domestic science teacher, 1; banker, 1; chemist, 1; scientist, 1; dramatic stage work,

1; office work or superintendent of gang of men, 1. If I stay for two years I want to be a typist; if I stay for four year, I want to be a stenographer or bookkeeper.

8. (c) If you have not decided, when do you expect to do so? Before leaving high school; when I realize what I am best fitted for. It was interesting to find that even as early as the first year in High School many of the pupils had definitely decided the line of work they intended to follow after the completion of their High School course. The variety of choice shows that many of the pupils know the particular branch of work they intend to do and the answers are not too broad or indefinite.

9. What do you understand to be the requirements of this particular line of work? General education, 1; college education, 4; penmanship, 2; accuracy, 18; household management, 1; surveying, 1; mathematics and chemistry, 1; stenography and typewriting, 11; industrial trade, 1; history, 1; bookkeeping, 3; science, 1; ambition, 2; honesty, 4; The answers to this question and to question seven, seem to dovetail for evidently the pupils believe that what applies to school work and to actual life are practically the same, which is, in many cases, true.

10. How have you ascertained these requirements? Observation, 12; by catalogue, 1; by study, 3; from friends, 10; inquiry of parents, 6; business college, 1; by degrees, 2. Comparatively few really knew the requirements of the particular line of work they intended to follow up.

11. Is this the work which you really desire to do? Yes, 154; no, 7. The majority of the pupils are following out the line of work they really desire to do.

12. What have your parents advised? Advised the same, 143; advised nothing, 52.

13. (a) Have you been influenced by financial benefits alone? Yes, 38; no, 145. Mercenary benefits alone have not influenced a large number of pupils although some were influenced by financial gain solely.

13. (b) If not, what other considerations have influenced your choice? Like it, 56; advice of parents, 6 adaptability and congeniality of temperament for this work. I enjoy the work and besides it is very profitable. A strong desire to do something worth while in the world. Liking for outdoor work. There is a good chance for working up. Because I think it is best adapted to me. Desire to go to work and meet people. Because I am preparing for it. Marks are higher than in other commercial work. Interested in business life and can do what is required of me. Don't find it hard. Can do it better than anything else. Ability for this line of work. Interested in the work. Because I want to. Good

chance to learn bookkeeping. Like typewriting very much. Have not decided whether I shall teach bookkeeping and commercial geography or go to theatricals. My mother had offered to send me either to Salem Normal School or the Colonial Building Theatrical School. Line of work best adapted for. Physical culture teacher. Like work very much, but parents want me to become a business woman. Talented to go to art school. I like the work and might make a success of it. Like work and parents advise it. Line of work I can do best. Father wishes me to be one. If I try hard I will be fitted for that line of work. Many of the answers to this question showed much careful thought on the part of the pupils.

14. If this is not the work which you really desire to do, why are you not following your personal choice? "Don't know." The only answer received was a very commonplace one.

15. What service do you intend to render others by your life career? Honesty, 3; earn own living, 1; punctuality, 1; usefulness, 1; helpfulness, 16; much as possible, 6; kindness, 3; success to others, 3; earn money, 1; civil engineer, 1; saving time, 1; faithfulness, 5; education, 3; teaching, 10; as much as possible. Helping others to gain a little knowledge. To teach others as I have been taught. I will strive to be as useful and as faithful as I can. Hope to set example for others and do my share in world's progress. Return what others have done for me. Make people feel the joy of the best things in life and through this work reach the hearts of many and leave there an impression that will strengthen their highest ideals. Help parents. By being as faithful as I can. I shall endeavor to make myself useful in as many ways as possible to the best of my ability. By drawing cartoons to benefit others. No mother, may support father. Do what I can for others. I intend to help others by my life career. A better mental, moral, and physical life. To teach boys and girls who come to me, some of the things they should know to be good men and women. All the service possible. Natural benefits derived from a higher education. Save time for my employers. To make and earn a good living. Service to others seemed a new thought to many pupils, and some were selfish enough to believe they did not want to help others, while some thought that by caring well for themselves they would render a service to their community and we know that community service of the best kind begins at home.

Extra: For College Preparatory Pupils.

1. For what college are you preparing? Harvard,

15; Massachusetts Institute of Technology, 15; Wellesley, 12; Tufts, 11; Radcliffe, 7; Boston, 5; Boston University, 5; Jackson, 4; Dartmouth, 2; Yale, 2; Massachusetts Agricultural, 1; Annapolis, 1; Simmons, 1; Trinity, 1; Wentworth, 1; Amherst, 1; Wisconsin, 1; Holyoke, 1.

2. Why have you chosen this college? Consider it best, 14; convenience, 7; advice of parents, 4; efficiency, 2; best suited, 1; high standard, 1; obliged to go there, 1; good preparation, 1. Variety of course and study. Regards Boston University as best for this work. Because of its moral as well as its classical education.

3. What are its requirements? Algebra, Latin, history, geometry, English, German, and other languages; science 14; don't know, 12; High School diploma, 4; test, 2.

Extra: For Scientific, Normal School, Normal Art School, etc., Preparatory Pupils:—

1. For what are you preparing? Salem Normal, 8; Normal, 2; Fitchburg Normal, 2; Normal Art, 1; Springfield Training School, 1.

2. Why have you chosen this school? Reasons same as for college preparatory.

3. What are its requirements? No one answered this question.

Recommendations.

These recommendations bear directly on the recommendations of last year, and practically embody the "best system of vocational guidance in connection with any high school."

A

1. That in the High School one or two especially prepared teachers be officially designated vocational counsellors with time allowed for vocational guidance among the pupils. If possible one of these counsellors should be a man.

2. That a committee of five or more teachers be appointed to work with these counsellors in such ways as the latter may find necessary and advisable.

3. That the old advisory system be revived and revised in the High School and each teacher work with the vocational counsellors.

4. That a group of citizens, men and women, of recognized character, experience, and standing in profession, business, and trade, be invited to co-operate with counsellors and committee by allowing themselves to be interviewed by such boys and girls as the aforesaid counsellors may deem it necessary to send to them for information or advice.

5. That by means of talks, books read, compositions,

etc., all pupils be given at least a general idea of occupations and their requirements. This might be given in connection with English work or through lectures given by successful men in the different vocations in ethics periods.

6. That teachers endeavor at once to make sure that pupils have read the entire course of study, understand what is offered throughout the four years, and have reasonable basis for choice of course.

7. That effort be made to have pupils going to higher institutions obtain and read carefully the catalogue, etc., of the school or the college which they plan to enter, find out as much as possible about the requirements and the life of that and other schools and colleges, and choose with some thought and reason.

8. That if possible information be obtained and given pupils, especially those of the third and fourth year, concerning scholarships, loans, etc., offered by the state, clubs, societies, colleges, etc., to first year students in colleges and kindred institutions.

9. That pupils obviously unfitted for the work of any course be transferred as soon as possible to the course to which they may be found by teachers and counsellors to be adapted.

10. That through meetings or personal conferences (possibly through the formation of a parents' association) greater co-operation be brought about between High School teachers and parents, and High School teachers and grammar school masters and teachers.

11. That in ethics, in conferences with advisers, in classwork, or through some other means, greater emphasis may be placed on personal service as the ultimate goal to be sought, whatever the life work chosen and the return due for the education received.

12. That a bureau of graduate information be established in the High School and a careful scheme of follow-up work begun.

B

1. That the Superintendent make a request, equivalent to a demand, that every grammar school master visit, while it is in session, the High School, and acquaint himself or herself with the course of study and the requirements of the school.

2. That the grammar school masters and assistants be required early in the year to study their pupils, find out what they plan to do at the end of their grammar school course, and seek to help them choose carefully and wisely school

and course of study or occupation, using all possible effort to prevent their choice of work for which they are plainly not fitted.

3. That meetings of parents and graduating classes of grammar schools be held at intervals during the year in the respective schools, such meetings to be addressed by heads of departments of those in charge of the various courses in High School and vocational schools.

C

1. That in all schools effort be made to find out when and why pupils leave school, and to keep in touch with them after they have left.

2. That pupils be required, if possible, as in Boston, to give teacher or vocational counsellor one week's notice of intention to leave.

3. That through conference between parent and teacher, and pupils and teacher, effort be made to keep the pupil in school when it is to the pupil's advantage to remain in school.

4. That pupils be sent for employment certificate only after careful investigation of the merits and the needs of their respective cases.

5. That if these recommendations are beneficial to the pupils of the Somerville High School, they be adopted in whole or in part at once.

Respectfully submitted

ILENE C. RITCHIE.

SOMERVILLE PLAYGROUNDS ASSOCIATION.

The playground season for 1914 opened on July 6 with paid supervision on the following grounds:—

BOYS' GROUNDS.

Broadway
City Field
Joy Street
Kent Street
Lincoln Park
Bingham

GIRLS' GROUNDS

Broadway
Hodgkins
Kent
Perry
Bennett
Bell

As in former years the work was conducted under the joint control of the Playgrounds Association and the School Committee. The closing events were a track meet for boys, held on Monday, August 17, and a play festival on Central Hill, held on Tuesday, August 18.

Following is a comparative statement of receipts and expenditures for the seasons of 1913 and 1914.

SOMERVILLE PLAYGROUNDS ASSOCIATION.**Comparative Financial Statement for 1913 and 1914**

Receipts:—	1913	1914
Balance from previous account	\$117 51	\$46 71
Donations and subscriptions	1,326 22	430 71
Interest on deposit in banks	2 79	
	<hr/> \$1,446 52	<hr/> \$577 42
Expenditures:—		
Instructors	\$708 40	\$293 90
Supplies	341 32	
Printing	47 50	14 00
Rent of land for gardens .	15 42	18 46
Band	70 40	
Labor	68 67	
Janitors' services	75 00	
Policeman's services . . .	45 00	
Baths	1 98	
Expressage	2 10	
Teaming	20 00	
Postage	4 00	
Annie E. McCarty House		50 00
Tuition of Teachers . . .		50 00
	<hr/> \$1,399 79	<hr/> \$426 36
Balance	46 73	51 06
	<hr/> \$1,446 52	<hr/> \$477 42

SUMMER PLAYGROUNDS.

Comparative Statement of Receipts and Expenditures for
1913—1914

	1913	1914
Amount appropriated by City Government	\$2,500 00	\$2,000 00
Paid for salaries of supervisors and instructors	1,689 00	1,598 00
Paid for equipment:—		
Swings, teeters, giant strides, etc.	422 00	
Trees	15 48	
Hose	14 35	
Labor and teaming	76 52	2 70
Athletic supplies:—		
Baseballs, bats, basketballs, etc.	218 50	107 27
Medals, etc	6 00	13 75
Miscellaneous supplies and disbursements:—		
Printing	24 50	6 25
Labor	37 88	10 50
Teaming	21 50	9 50
Sand	5 00	10 75
Band		61 60
Handwork supplies		44 84
Various	14 10	61 00
Baths:—		
Salary of attendant	204 00	35 00
Supplies, including laundry	140 86	15 25
School Gardens:—		
Supplies	13 00	17 67
Labor	15 50	6 05
Total amount expended	\$2,918 84	\$2,000 00
Expended by Somerville Playgrounds Association	1,446 52	426 36
Grand total of all money expended for playgrounds	\$4,365 36	\$2,426 36

REPORT OF THE SCHOOL SAVINGS BANKS.

January 1, 1914, to December 31, 1914.

	Balance Jan. 1, 1914.	Amount Deposited.	Amount Withdrawn.	Amount Transferred.	Balance Dec. 31, 1914.
Prescott . . .	\$249 20	\$786 60	\$110 20	\$607 90	\$317 70
Hanscom . . .	140 09	673 31	68 92	407 96	336 52
Bennett . . .	52 46	197 26	92 05	94 75	62 92
Knapp . . .	101 72	473 44	86 60	334 25	154 31
Perry . . .	31 65	206 05	28 95	50 80	157 95
Baxter . . .	87 15	421 72	60 73	196 50	251 64
Cummings . . .	60 36	158 00	128 80		89 56
Pope . . .	103 45	448 60	129 60	235 00	187 45
Bell . . .	83 09	386 80	100 27	158 00	211 62
Edgerly . . .	226 08	1,003 08	134 22	715 31	379 63
Glines . . .	118 40	664 00	41 65	628 15	112 60
Forster . . .	589 67	1,405 19	82 38	1,441 00	471 48
Bingham . . .	211 42	1,204 68	114 61	827 75	473 74
Carr . . .		691 85	91 12	450 71	150 02
Morse . . .	68 22	656 90	33 44	496 17	195 51
Burns . . .	180 73	419 22	61 98	279 70	258 27
Durell . . .	23 14		17 15	5 99	
Proctor . . .	69 20	474 54	61 59	258 10	224 05
Brown . . .	231 51	727 52	27 86	545 00	386 17
Highland . . .	119 67	1,148 15	72 60	1,048 20	147 02
Hodgkins . . .	259 22	964 98	146 50	867 55	210 15
Lowe . . .	144 30	744 10	63 10	565 55	259 75
Cutler . . .	104 55	709 73	47 91	379 19	387 18
Girls' Vocational . . .	14 95	20 45	7 55	27 20	65
High . . .		367 47	71 10	141 41	154 96
	<hr/> \$3,270 23	<hr/> \$14,953 64	<hr/> \$1,880 88	<hr/> \$10,762 14	<hr/> \$5,580 85

REPORT OF SCHOOL NURSE, SEPTEMBER, 1913, TO JUNE, 1914

The work of the School Nurse this past year has been along the following general lines. She has visited the homes of children out of school on account of physical ailments and the homes of children reported to her by the school medical inspector. In the school building she has given treatment in cases of minor cuts and wounds. She has reported to the Society for the Prevention of Cruelty to Children ten cases for further investigation and has also reported cases to the Somerville Associated Charities for aid and advice. The table given below shows her work in outline:—

DATE	Visits to School or Hospital	No. of Pupils		Treatments in School	Inspections for		PUPILS ESCORTED TO CLINICS																Optician	Corrected Vision	Corrected Hearing	Operations		*Contagion found in		Home Visits		Hygiene Talks		Special Work	Social Work																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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*Treated by family physician or dentist.

THE UNIVERSITY OF MICHIGAN LIBRARY

A complete set of books illustrating the history of the University of Michigan from its founding in 1817 to the present. The books are arranged in chronological order and cover the following subjects: the early years, the growth of the university, the university's role in the community, and the university's future.

1817-1820		1821-1830		1831-1840		1841-1850		1851-1860		1861-1870		1871-1880		1881-1890		1891-1900		1901-1910		1911-1920		1921-1930		1931-1940		1941-1950		1951-1960		1961-1970		1971-1980		1981-1990		1991-2000		2001-2010		2011-2020		2021-2030		2031-2040		2041-2050		2051-2060		2061-2070		2071-2080		2081-2090		2091-2100																																																																																																																																																																																																																																			
1817	1818	1819	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

REPORT OF THE SCHOOL DENTIST.
For the School Year Ending June 27, 1914.

DATE.	MONTH.	No. Children Treated.	No. First Appointment.	No. Re-appointment.	No. Teeth Extracted.	No. Treatments.	No. Teeth Filled.	No. Cleansings.	No. Having Brush.	No. Not Having Brush.	Amount of Fees Collected.
	September	94	63	29	9	33	53	34	-	-	\$ 7.00
	October	153	96	47	31	74	48	39	-	-	10.75
	November	148	74	74	27	74	68	17	-	-	10.40
	December	121	49	71	35	55	34	30	-	-	8.65
	January	113	44	69	32	64	46	18	64	17	8.35
	February	106	70	36	23	67	35	14	90	16	7.90
	March	158	89	76	40	104	45	21	152	6	20.58
	April	93	49	45	17	63	30	13	93	0	10.85
	May	128	68	60	38	60	46	22	115	13	16.00
	June	126	73	56	46	56	43	16	121	5	14.60
	Totals	1240	675	563	298	650	448	224	633	75	\$115.08

Financial Statement.

Cash on hand September 1, 1913		\$22 21
Received:—		
From fees		115 03
From sale of tooth brushes and powder		106 19
Paid:—		
For supplies	\$230 70	
Cash on hand September 1, 1914	12 78	
	<hr/>	<hr/>
	\$243 48	\$243 48

SOMERVILLE TEACHERS' ASSOCIATION.**Officers, 1914.**

President, Walter I. Chapman.
 Vice-President, John M. Jaynes.
 Secretary-Treasurer, May E. Small.
 Executive Committee:—

Superintendent Charles S. Clark, ex-officio.

Jennie H. Luce, Prescott.	Helen C. French, Girls' Vocational.
Elizabeth M. Collins, Hanscom.	Edna F. Scott, Forster.
Mrs. Nettie L. Fay, Bennett.	Harry F. Hathaway, Bingham.
Maria D. McLeod, Baxter.	Katherine A. Pike, Carr.
Minnie Alice Perry, Knapp.	Blanche E. Thompson, Morse.
Mary A. Mullin, Perry.	Abbie A. Gurney, Proctor.
Edith L. French, Pope.	Alice M. Dicker, Durell.
Eva R. Barton, Bell.	Ardelle Abbott, Burns.
Elizabeth L. Hersey, Cummings.	George I. Bowden, Brown.
Edith M. Snell, Edgerly.	Elizabeth S. Smith, Highland.
Isabel J. Tift, Glines.	Isabelle M. Brunton, Hodgkins.
Elizabeth R. Henderson, Cutler.	

The meetings held under the auspices of this association in the year 1914 were as follows:—

- January 7—Edmund S. Cogswell. Subject: "Explanation of Teachers' Retirement Law."
 February 13—Prof. George Drayton Strayer of Columbia University. Subject: "Social Phases of School Work."
 November 18—Arthur Lee. Subject: "A Tramp Through Belgium and the War Zone."

SOMERVILLE TEACHERS' CLUB.**Officers, 1914-1915**

President, Miss Grace Gatchell.

Vice-Presidents,

Miss Charlotte Holmes.

Miss Louise B. Hoyle.

Recording Secretary, Miss Rena S. Hezelton.

Corresponding Secretary, Miss Martha A. Jencks.

Treasurer, Miss Elizabeth J. Baker.

Auditor, Miss Elizabeth Hersey.

Object.

The object shall be to secure a close union among the women teachers in Somerville; to promote the spirit of mutual helpfulness; to advance professional interests; to create a deeper sense of the dignity of the profession; to unite the interests of the home and school.

Programme

January 13—Guest night. "An Irish Story-Telling,"

Seumas Macmanus

February 10—Violin Recital.....Hildegard Brandegee

March 10—"Neighborhood Work,"

Mrs. Eva W. White of the Elizabeth Peabody House, Boston

April 4—A Kipling Reading.....F. Spencer Baldwin

May 12—Annual Meeting.

October 13—Reading, "Daphne," by Margaret Sherwood,

Mrs. Helen Weil

November 10—Chafing Dish Supper.

December 8—Illustrated Lecture, "Bright Eyes and Wild Hearts of Our Northern Woods".....Rev. Chauncey J. Hawkins

At a meeting of the School Board held on June 24, 1914, for the special committee on resolutions in memory of Henry H. Folsom, Mr. Kelley submitted the following: Death, on the twentieth of June, nineteen hundred and fourteen, took from us our beloved and honored Chairman, Henry H. Folsom, and left, as a heritage for future generations to ponder upon and follow, a noble example of forty-three years of well-rounded manhood,—most of which was spent in the garden of life's activities, giving forth the flowers of love, labor, and wisdom for the benefit of mankind.

Henry H. Folsom was born in Portsmouth, New Hampshire, on August 28, 1871. He was the son of Channing Folsom, former State Superintendent of the Schools of New Hampshire. His early education was obtained in the schools of Dover, New Hampshire, and in 1892 he graduated from Dartmouth College. He was a leader in his class and a member of the 'Varsity foot-ball team. After graduating he took up the labor of teaching and was for a time principal of the High School of Gardner, Mass. In 1903 he was elected head master of the Evening High School in East Boston.

While acting as head master of the East Boston Evening High School he studied law in the office of W. H. Powers and in a few years was admitted to the Massachusetts Bar. He then re-entered the office in which he had studied,—this time as a member of the firm,—now known as the firm of Powers, Folsom & Powers, Attorneys.

In 1902 he took up his residence in Somerville and in 1905 was elected a member of the School Committee,—to which board he was elected for five consecutive terms, consisting of two years each, and for five years of this time he has been its honored chairman.

By his death the City of Somerville has lost one of its noblest citizens; the schools an able leader; the teachers a staunch friend; and the children a true and loving guide. To his energy, integrity, and constant care for the interests of the schools this Committee gives testimony; to his broad, liberal and fair treatment as Chairman it pays a tribute of respect and to the friend and associate of many years it bids an eternal farewell.

Be it resolved that a copy of these resolutions be kept among the records of this School Committee and likewise that a copy be sent the bereaved parents of our deceased member, Henry H. Folsom.

At the meeting of the School Board held on May 25, 1914, for the special committee on resolutions in memory of Charles T. Murray, who died on April 2, Mr. Whitaker offered the following:—

Mr. Charles T. Murray was elected a teacher in the Somerville Latin School in 1887 and for more than twenty-five years gave of his strength and fidelity to his work of training the young people of his adopted city.

So much does the success of any school system depend on the personality of its teaching force that that city is indeed fortunate that can point to its high school masters as men of 'kindness, fidelity and courage.' Such Mr. Murray was characterized by his fellow members of the faculty and his students are proud to so remember him.

Mr. Murray never counted the hours of his labor when the stimulating influence of his presence was needed. Whether it was in the regular sessions of the school, the extra work of the afternoon classes or the painstaking tasks of the evening school, he brought to all an inspiration that gave many a young man and woman a new and higher conception of education and a larger determination to fill a useful place in the affairs of the world.

With a high conception of the place and influence of a teacher and with a lofty ideal of the true application of the spiritual to the daily affairs of life, he so lived that very, very many will remember him as one to whose guidance in early high school days is due much of the success of their later achievements.

We may not live long in person, but those who, like Mr. Murray, affect for their permanent betterment, the young lives entrusted to their care, will perpetuate their influence to the unending future.

The School Committee take pleasure in thus recognizing the long and faithful service of Charles T. Murray and in expressing their regret that he could not have given yet more of his years to his chosen work."

At the meeting of the School Board held on September 3, 1914, the following notice was given:—

The Superintendent of Schools announced the death on July 6, of Nellie L. Quennell, a teacher in the Forster School.

CONTENTS OF APPENDIX.

SUMMARY OF STATISTICS.

Population and school census
 School buildings
 Teachers
 Attendance for year
 Cost of school maintenance
 Teachers' salaries
 Results of eye and ear tests

MISCELLANEOUS TABLES.

CONCERNING FINANCE

No. of Table

1. Schedule of school property
2. Cost of maintaining schools, school year 1913-1914
3. Cost per capita of maintaining schools, school year 1913-1914
4. Cost of maintaining schools for a series of years
5. Cost per capita for maintaining schools for a series of years
6. Amount spent annually for new school buildings and for repairs for a series of years

CONCERNING PUPILS

7. Population and school census
8. Attendance, etc., of the schools for school year 1913-1914
9. Statistics of the high school, for school year 1913-1914
10. Pupils by grades October, 1913-1914
11. Separate statistics for grammar and primary schools, for school year 1913-1914
12. Admissions to first grade in February and September
13. Number of grammar school graduates, 1914
14. Truant statistics for a series of years
15. Evening school statistics, 1913-1914
16. Grammar school graduates for a series of years
17. Attendance statistics of all schools for a series of years
18. Statistics of the high school for a series of years
19. Promotions, 1914
- 19-A. Distribution of pupils by ages, October 1, 1914
- 19-B. Distribution of pupils, 14 but not 15, October 1, 1914

CONCERNING TEACHERS

20. Resignations of teachers, 1914
21. Teachers elected in 1914
22. Leave of absence of teachers
23. Transfers of teachers
24. Number of teachers employed for a series of years

STATISTICAL AND GENERAL TABLES

25. Changes in text-books, 1914
26. High school graduation exercises, 1914
27. Grammar school graduation exercises, 1914
28. Organization of school board for 1915
29. Teachers in service January, 1915
30. Officers in service January, 1915.
31. School janitors

CLASSIFIED STATEMENT SHOWING DISTRIBUTION OF EXPENDITURES CONTROLLED BY THE SCHOOL BOARD FOR THE YEAR 1914.

SCHOOLS.	SALARIES					Administrative Salaries.	Books.	White Paper.	Manila Paper.	Blank Books.	Pencils, Pens, etc.	Maps and Charts.	Bookbinding.	Seat Work, and Kindergarten Supplies.	Manual Training Supplies.	Drawing Supplies.	Laboratory Supplies.	Bookkeeping Blanks.	Domestic Science Supplies.	Typewriters and Supplies.	Printing.	Expressage.	Mending Tape, Paste, etc.	Pianos, Tuning and Repairs.	Travel.	Graduation Expenses.	Postage.	Tuition and Board of Truants.	Miscellaneous.	Equipment.	Totals.	SCHOOLS.		
	Regular.	Substitute.	Special.	Kindergarten.	Total.																													
High	\$80,404 25	\$205 00	\$360 84	.....	\$80,970 09	.....	\$3,152 51	\$723 33	\$116 61	\$358 94	\$235 36	\$18 95	\$439 83	.....	\$569 17	\$528 73	\$423 32	\$617 13	\$14 40	\$919 09	\$413 02	\$37 54	\$11 00	\$3 00	\$21 85	\$112 94	\$27 88	.....	\$508 35	\$877 63	\$10,130 58	.....	High
Prescott	11,206 13	57 75	617 20	.....	11,881 08	.....	242 22	71 79	31 40	4 07	35 86	7 16	77 80	.....	66 68	8 73	.....	.....	.....	.....	.....	15	55	50	2 50	18 95	.....	.....	5 60	18 00	597 73	.....	Prescott
Hanscom	8,302 25	176 25	232 48	\$1,030 60	9,740 98	.....	93 14	27 52	23 54	2 50	31 77	.....	24 07	.....	42 32	10 34	.....	.....	.....	.....	.....	60	2 88	1 50	.....	.....	.....	.....	11 05	.....	271 23	.....	Hanscom
Bennett	8,609 19	157 75	228 54	1,076 50	10,071 98	.....	124 52	19 81	17 75	2 19	24 77	.....	2 09	52 13	45 54	9 49	.....	.....	.....	.....	.....	1 35	9 74	.....	.....	.....	.....	.....	8 62	.....	318 00	.....	Bennett
Baxter	3,953 00	48 50	111 64	1,145 00	5,258 14	.....	55 45	19 21	10 92	1 71	13 26	.....	3 23	21 56	.....	10 25	.....	.....	.....	.....	.....	45	1 39	.....	1 80	.....	.....	.....	3 30	.....	142 53	.....	Baxter
Knapp	12,028 50	87 00	688 24	.....	12,803 74	.....	158 65	72 55	61 52	24 53	49 52	1 02	42 16	.....	47 88	12 84	.....	.....	.....	.....	.....	70	14 07	.....	11 11	15 54	.....	.....	52 60	.....	568 17	.....	Knapp
Perry	4,458 06	77 50	169 08	.....	4,704 64	.....	45 58	28 01	15 14	1 25	13 45	.....	.....	2 60	5 74	8 14	.....	.....	.....	.....	.....	45	1 10	.....	.....	.....	.....	.....	3 13	.....	124 59	.....	Perry
Pope	10,583 69	46 25	660 01	.....	11,289 95	.....	212 34	65 22	50 35	9 93	35 74	.....	22 95	7 08	47 20	26 73	.....	.....	.....	.....	.....	55	4 87	50	3 10	12 46	2 80	.....	20 87	.....	552 69	.....	Pope
Bell	8,660 00	85 50	631 53	.....	9,377 03	.....	158 44	57 28	35 99	10 85	16 15	7 45	.....	.....	47 22	43 83	.....	.....	.....	.....	.....	1 00	6 50	1 50	.....	19 03	.....	.....	7 25	18 00	466 02	.....	Bell
Cummings	3,259 50	29 75	66 02	.....	3,355 27	.....	63 07	1 79	.....	.....	12 01	.....	.....	12 85	.....	9 70	.....	.....	.....	.....	.....	15	2 45	.....	.....	.....	.....	.....	2 46	.....	104 48	.....	Cummings
Edgerly	11,309 38	136 00	683 26	.....	12,128 64	.....	264 13	61 70	27 30	12 69	22 61	9 43	53 89	3 03	69 03	33 23	.....	.....	.....	.....	.....	55	5 16	1 50	.....	23 70	.....	.....	16 84	18 00	622 79	.....	Edgerly
Glines	11,720 75	60 50	616 48	1,225 00	13,622 73	.....	178 66	51 07	26 86	6 58	13 31	.....	16 80	59 20	61 26	12 31	.....	.....	.....	.....	.....	45	45	50	.....	7 70	.....	.....	2 89	18 00	456 04	.....	Glines
Forster	15,377 87	142 50	637 70	.....	16,158 07	.....	164 92	64 88	13 75	29 79	72 95	.....	9 69	5 94	106 03	8 53	.....	.....	.....	240 00	30 52	1 70	5 37	2 00	19 30	17 96	60	.....	37 65	898 13	1,729 71	.....	Forster
Bingham	14,880 63	74 75	787 30	.....	15,742 68	.....	210 77	78 29	29 58	6 77	30 82	.....	55 08	94	68 97	17 09	.....	.....	.....	.....	.....	1 10	11 52	.....	3 50	17 28	.....	.....	14 22	18 00	563 93	.....	Bingham
Carr	15,619 00	31 25	783 26	.....	16,433 51	.....	273 68	116 53	30 41	16 42	55 03	1 15	25 84	43 26	53 62	27 69	.....	.....	.....	.....	.....	3 40	7 24	6 25	.....	16 22	.....	.....	11 70	18 00	706 44	.....	Carr
Morse	11,046 13	92 75	608 74	.....	11,747 62	.....	199 85	60 72	39 76	15 19	33 25	.....	21 76	44 91	37 68	33 22	.....	.....	.....	.....	.....	1 35	1 86	.....	2 50	9 97	.....	.....	16 15	18 00	536 17	.....	Morse
Proctor	5,627 00	41 25	210 56	.....	5,878 81	.....	62 39	30 22	33 88	4 66	16 75	6 82	8 84	4 25	11 48	8 19	.....	.....	.....	.....	.....	75	5 00	.....	.....	.....	.....	.....	5 48	.....	198 71	.....	Proctor
Durell	3,025 00	20 00	65 96	.....	3,110 96	.....	34 17	6 33	8 01	46	7 08	.....	.....	3 77	.....	5 65	.....	.....	.....	.....	.....	1 10	4 37	.....	95	.....	.....	.....	3 20	.....	75 09	.....	Durell
Burns	7,056 41	92 25	249 12	.....	7,397 81	.....	140 76	27 75	36 29	1 88	6 67	.....	.....	6 20	11 47	13 54	.....	.....	.....	.....	.....	1 10	6 37	.....	2 10	.....	.....	.....	10 09	20 00	284 22	.....	Burns
Brown	9,523 88	99 75	571 60	.....	10,195 23	.....	245 65	68 01	28 57	5 90	27 97	.....	17 95	8 66	41 67	7 46	.....	.....	.....	.....	.....	2 55	1 86	9 50	8 71	15 53	.....	.....	12 62	18 00	520 61	.....	Brown
Highland	11,428 96	43 00	854 06	.....	12,326 02	.....	193 00	73 53	27 95	9 25	48 14	.....	3 57	.....	86 60	32 75	.....	.....	.....	.....	.....	1 55	6 78	.....	3 60	26 54	.....	.....	8 43	18 00	539 69	.....	Highland
Hodgkins	11,598 75	99 75	586 40	.....	12,284 90	.....	241 68	71 02	18 32	10 85	21 45	.....	15 98	8 16	51 99	13 55	.....	.....	.....	.....	.....	1 70	93	.....	8 20	8 75	.....	.....	12 80	18 00	503 38	.....	Hodgkins
Cutler	11,079 94	128 75	600 96	.....	11,809 65	.....	223 95	92 05	42 12	11 77	36 64	.....	31 11	25 21	47 13	39 57	.....	.....	.....	.....	.....	1 90	9 92	.....	.....	10 21	.....	.....	18 76	18 00	608 34	.....	Cutler
Lincoln	1,480 00	17 25	39 04	.....	1,536 29	.....	131 22	13 58	9 89	77	14 90	11 49	.....	33 09	.....	14 77	.....	.....	.....	.....	.....	30	2 51	.....	.....	.....	.....	.....	7 09	.....	242 61	.....	Lincoln
Lowe	6,402 00	16 50	131 98	.....	6,550 48	.....	45 58	17 55	7 31	.....	11 12	.....	.....	23 54	.....	7 45	.....	.....	.....	.....	.....	80	5 40	.....	.....	.....	.....	.....	8 97	.....	127 72	.....	Lowe
Atypical	1,670 00	.....	.....	.....	1,670 00	.....	4 70	43	1 74	31	.....	.....	.....	4 14	54 53	5 35	.....	.....	.....	.....	.....	43	.....	.....	.....	.....	.....	.....	2 23	.....	74 05	.....	Atypical
Boys' Vocational.....	4,903 50	.....	60 00	.....	4,963 50	.....	8 45	7 85	.....	31	8 19	.....	.....	.....	477 39	17 83	.....	.....	.....	.....	.....	1 25	1 95	.....	.....	.....	.....	.....	54 39	4 50	583 11	.....	Boys' Vocational
Girls' Vocational	6,745 84	18 00	.....	.....	6,763 84	.....	1 40	.....	.....	2 50	2 84	.....	.....	3 84	.....	2 15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	89 96	47 50	210 62	.....	Girls' Vocational
Evening, High	4,402 50	.....	.....	.....	4,402 50	.....	35 33	30 01	1 63	9 51	31 88	.....	.....	.....	.....	129 69	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4 26	53 47	376 63	.....	Evening, High
Evening, Bell	3,288 00	3,288 00	15 16	14 31	7 05	2 50	6 08	2 91	79 02	Evening, Bell
Evening, Highland	951 00	.....	.....	.....	951 00	.....	40 48	5 43	3 80	63	3 44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	67 10	.....	Evening, Highland
Evening, Industrial	517 00	.....	.....	.....	517 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6 68	.....	Evening, Industrial
Administration .....	.....	.....	.....	.....	.....	\$7,600 00	32 97	12 51	.....	.....	2 04	.....	2 85	.....	.....	.....	.....	.....	.....	4 01	571 65	63 23	.....	491 22	.....	.....	192 20	.....	375 89	.....	1,748 57	.....	Administration
Miscellaneous .....	.....	.....	125 00	.....	125 00	.....	15 34	123 04	9 03	4 49	.....	.....	.....	18 12	.....	30 46	.....	.....	.....	.....	.....	544 43	24 52	1 68	.....	.....	.....	1, 019 90	543 47	.....	2,337 88	.....	Miscellaneous
Dental	897 00	.....	.....	.....	897 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dental
Totals	\$322,015 14	\$2,085 50	\$11,377 00	\$4,476 50	\$339,954 14	\$7,600 00	\$7,103 16	\$2,113 32	\$766 47	\$569 20	941 05	\$63 47	\$911 02	\$444 05	\$2,008 28	\$1,129 26	\$423 32	\$636 80	\$23 23	\$1,163 10	\$1,663 74	\$170 26	\$131 16	\$26 75	\$585 29	\$345 79	\$254 05	\$1,019 90	\$1,883 23	\$2,099 23	\$26,483 13</			

SUMMARY OF STATISTICS.

1.—POPULATION AND SCHOOL CENSUS.

Population, state census, 1895.....	52,200
Population, United States census, 1900.....	61,643
Population, state census, 1905.....	69,272
Population, United States census, 1910.....	77,236
Children between five and fifteen years of age, October, 1913, by school census	12,689
Children between five and fifteen years of age, October, 1914 by school census	13,513
Increase	824

2.—SCHOOL BUILDINGS.

	1913.	1914.	Change.
Number of school buildings....	27	27	0
Number of classrooms in use in June	289	306	+17
Valuation of school property..	\$1,732,623	\$1,767,215	

3.—TEACHERS.

	1913.	1914.	Change.
In high schools.....	68	75	+7
In grammar schools.....	164	167	+3
In primary schools.....	93	101	+8
In kindergartens.....	8	8	0
Total in elementary schools.....	265	276	+11
Vocational school for boys.....	4	6	+2
Vocational school for girls.	9	10	+1
Atypical class	2	2	0
Cadet teachers	4	8	+4
Special	13	14	+1
Total	365	391	+26

4.—ATTENDANCE FOR YEAR.

	*1913.	*1914.	Change.
Entire enrollment for the year	13,491	13,932	+441
Average number belonging....	11,903	12,320	+417
Average number attending....	11,216	11,610	+394
Per cent. of daily attendance..	94.2	94.2	0
High School graduates	296	273	—23
Grammar school graduates.....	691	740	+49

*School Year.

5.—COST OF SCHOOL MAINTENANCE.

	*1913.	*1914.	Change.
Salaries of teachers	\$313,224.45	\$330,954.98	+7,730.53
Salaries of officers.....	7,520.01	7,632.05	+112.04
Cost of books and supplies	25,876.65	26,842.81	+966.16
Cost of light	5,841.42	6,447.53	+606.11
Cost of janitors' services..	32,939.41	33,711.42	+772.01
Cost of fuel	16,055.27	18,951.92	+2,896.65
Telephones	541.78	624.47	+82.69
Rent of school rooms....	92 50	—	—92.50
Total cost of day and even- ing schools	402,091.89	425,165.18	+23,073.29
Per capita cost	33.78	34.12	+0.34
Cost of high school in- struction	77,405.07	79,576.30	+2,171.23
Per capita cost	42.09	42.60	+0.51

6.—MISCELLANEOUS.

	*1913.	*1914.	Change.
Paid for new school build- ings	\$34,866.27	\$120,913.29	+86,047.92
Repairs and permanent improvements	19,341.35	19,699.49	+358.14
Total school expenditures..	456,299.51	565,777.96	+109,478.45
Number of dollars spent to maintain schools out of every \$1,000 of valuation	5.60	5.68	+0.08
Valuation of city.....	71,848,810.00	74,887,800.00	+3,038,990.00
Number of dollars spent for all school purposes out of every \$1,000 of valua- tion	6.36	7.55	+1.19

*School Year.

Cost of the Schools. The total amount spent for the maintenance of the schools of Somerville for the school year ending June 30, 1914, is \$425,165.18.

This includes the sums spent for care of school buildings, including janitors' services, fuel, lights, and school telephones; the amount paid for salaries of officers, and the amount spent for school supplies; and the sum paid for salaries of teachers.

The expenditure for *care of school buildings* is wholly in charge of the City Government.

The amount paid for janitors is.....	\$33,711.42
The cost of fuel is.....	18,951.92
The cost of light is.....	6,447.53
The cost of the school telephones is.....	624.47

A total cost of	59,735.34
The cost per capita.....	4.80
Cost of repairs.....	19,699.49

The second important expenditure is wholly under the control of the School Committee and is covered by what is known as the "*School Contingent*" appropriation. The following is the itemized account:—

Expenditures.	Total.	DAY SCHOOLS.		EVENING SCHOOLS.	
		High.	Elementary.	High.	Elementary.
Officers' Salaries	\$7,632.05	.....	.....	.....	.....
Office Expenses	1,738.70	.....	.....	.....	.....
Textbooks	8,000.39	\$3,866.12	\$3,977.39	\$95.85	\$61.03
Stationery and Supplies . .	13,387.36	5,798.15	7,107.94	420.78	60.49
Other Expenses	1,816.84	601.49	1,048.95	100.31	66.09
Miscellaneous (Tuition, etc.) .	1,899.52	.....	.....	.....	.....
Total	\$34,474.86	\$10,265.76	\$12,134.28	\$616.94	\$187.61

The third, and by far the largest, element of the cost of schools is the sum spent for the *salaries of teachers*. This expenditure is under the control of the school committee.

The following statement shows the distribution of the sums paid for salaries:—

Expenditures.	Total.	DAY SCHOOLS.		EVENING SCHOOLS.	
		High.	Elementary.	High.	Elementary.
Supervisors	\$5,798.00	\$377.80	\$5,420.00	.....	.....
Principals	39,658.06	3,200.00	35,417.06	\$342.00	\$699.00
Teachers	285,498.92	75,998.50	201,686.92	3,909.00	3,904.50
Total	\$330,954.98	\$79,576.30	\$242,623.98	\$4,251.00	\$4,603.50

The *total outlay* for all *school purposes* includes all of the preceding and the sums spent for schoolhouse repairs and new buildings.

The *total outlay* for the school year ending June 30, 1914, is as follows:—

Care	\$59,735.34
Contingent	34,474.86
Salaries	330,954.98
Total for school maintenance.....	425,165.18
Paid for repairs	19,699.49
Paid for new buildings	120,913.29
Total for all school purposes.....	565,777.96

Each dollar of the sum spent for the support of schools has been divided in the following proportion:—

	1909.	1910.	1911.	1912.	1913.	1914.
Janitors' salaries....	\$0.071	\$0.070	\$0.071	\$0.071	\$0.082	\$0.079
Heat and light	0.025	0.054	0.053	0.054	0.055	0.060
Administration	0.015	0.017	0.019	0.020	0.018	0.018
School supplies	0.061	0.071	0.068	0.076	0.065	0.065
Teachers' salaries ..	0.801	0.788	0.789	0.779	0.780	0.778
Total	\$1.000	\$1.000	\$1.000	\$1.000	\$1.000	\$1.000

Per Capita Cost. The proper method of comparison of the cost of schools year by year is to consider the sum spent for each pupil in the average membership. In this computation we exclude the cost of evening schools, and the vocational schools. The following shows

THE PER CAPITA COST OF DAY SCHOOLS FOR 1913 AND 1914.

	High Schools.			Grammar and Primary Schools.			All Day Schools.		
	1913.	1914.	Change	1913.	1914.	Change	1913.	1914.	Change
Instruction . . .	\$42 85	\$43 41	+\$0 66	\$22 36	\$22 94	+\$0 58	\$26 20	\$26 08	—0 12
Supplies	5 24	5 90	+0 66	1 35	1 28	—0 07	2 09	1 99	—0 10
Care	5 45	6 64	+1 19	4 17	4 17	0 00	4 55	4 55	0 00
Total	\$53 54	\$55 95	+\$2 41	\$27 88	\$28 39	+\$0 51	\$32 84	\$32 62	—\$0 22

Including the cost of maintenance of evening schools, the per capita cost is as follows:—

	1911.	1912.	1913.	1914.
Cost of instruction.....	\$23.50	\$23.61	\$24.54	\$24.55
Cost of supplies	1.95	2.12	1.91	1.89
Cost of care	3.62	3.99	4.18	4.27

Total \$29.07 \$29.72 \$30.63 30.71

An examination of these tables shows that we have paid sixty-six cents more for the instruction of each pupil in the high school than in 1913, and sixty-six cents more per pupil for supplies.

The grammar and primary schools have cost fifty-eight cents more per pupil for instruction, and seven cents less for supplies.

The amount spent for the school year 1914 was \$5.68, or eight cents more than was spent in 1913. The amount yielded for each child in the average membership of the schools for 1914, not including the industrial schools, was \$30.71.

Comparative Per Capita. According to the annual report of the State Board of Education for 1913-14, the amount yielded for each child in the average membership of the public

schools was \$32.59, giving to Somerville the rank of 116 among the cities and towns of Massachusetts. In 1912-13 the rank was ninety. By the same report it is shown that Somerville appropriated to the support of the public schools \$5.75 for each thousand dollars of valuation, and had the rank of 158. The year before the amount spent was \$5.98 and the rank 140.

Teachers' Salaries. The salaries paid to teachers in January, 1915, are as follows:—

1 man	\$3,200	9 women	825
1 man	2,250	1 man, 174 women.....	800
2 men	2,000	1 woman	775
11 men, 2 women	1,900	23 women	750
4 men, 1 woman	1,800	22 women	700
7 men	1,700	4 women	650
2 men	1,600	1 man, 13 women.....	600
1 man, 1 woman.....	1,500	1 woman	550
1 man, 1 woman.....	1,250	2 women	525
3 men, 3 women	1,200	1 woman	500
1 man, 1 woman.....	1,100	3 women	475
1 man	1,050	2 women	450
6 men, 11 women.....	1,000	3 women	425
6 women	950	2 women	400
1 man, 17 women.....	900	1 woman	350
13 women	875	1 woman	250
17 women	850	12 women	200

SIGHT AND HEARING.

The following gives the results of the eye and ear tests:—

EYES.

	1913	1914	Change
Tested	11,414	11,733	+319
Defective	1,739	1,662	— 77
Per cent. defective	15.2	14.2	— 1
Notices sent to parents	1,049	1,087	
Professionally treated	167	199	

EARS.

	1913	1914	Change
Tested	11,806	12,396	+590
Defective	265	263	— 2
Per cent. defective	2.3	2.1	— 0.2
Notices sent to parents	181	161	
Professionally treated	21	24	

TABLE 1.—SCHOOLHOUSES.

	No. of Classrooms.	No. of Sittings.	Size of Lot, including Space Occupied by Building.	Material.	How Heated.	How Ventilated.	Valuation, including Furniture.	When Built.	Enlargements.
High School	a44	1,795	*.....	Brick	Steam	Fan	\$409,602	1895	8 rooms added 1906
Prescott	12	585	.....	Brick	Steam	Fan	68,938	1871	30 rooms added 1913
Knapp	13	636	22,000	Brick	Steam	Fan	50,540	1867	
Pope	12	578	24,517	Brick	Steam	Gravity	85,760	1889	4 rooms added 1894
Bell	12	501	27,236	Brick	Steam	Gravity	50,086	1891	
	12		22,262	Brick	Steam	Fan		1874	
Edgerly	12	533	24,000	Brick	Steam	Gravity	46,030	1871	{ 4 rooms added 1882 4 rooms added 1892
Glines	14	674	28,800	Brick	Steam	Gravity	80,540	1891	5 rooms added 1896
Forster	18	823	30,632	Brick	Steam	Gravity	87,445	1866	6 rooms added 1899
Bingham	16	797	35,586	Brick	Steam	Gravity	71,955	1886	{ 4 rooms added 1894 8 rooms added 1904
Carr	17	776	20,450	Brick	Steam	Gravity	54,210	1898	
Morse	12	520	29,000	Brick	Furnace	Furnace	48,199	1869	6 rooms added 1890
Highland	12	583	23,260	Brick	Steam	Gravity	60,560	1880	4 rooms added 1891
Hodgkins	14	557	35,034	Brick	Steam	Gravity	79,760	1896	
Cutler	12	551	53,729	Brick	Steam	Gravity	87,787	1912	
Bennett	12	507	17,000	Brick	Steam	Gravity	61,769	1902	
Hanscom	12	481	12,756	Brick	Steam	Fan	73,290	1897	4 rooms added 1907
Carried forward	244	10,897	.....	.....	.....	.....	\$1,416,471	....

(a) There are besides, four recitation rooms, five laboratories, two lecture rooms, six manual training rooms, four manual training supply rooms, lockers, etc., three drawing rooms, three domestic science rooms, one domestic arts room, two typewriting rooms, two libraries, two supply rooms, five teachers' rooms, five offices, one luncheon room, one hall, and six toilet rooms, making fifty-two rooms devoted to other than classroom uses.

* Buildings are located on Central Hill Park, which contains 131.10 acres.

TABLE 1 (Concluded).—SCHOOLHOUSES.

NAME.	No. of Classrooms.	No. of Seats.	Size of Lot, including Space Occupied by Building.	Material.	How Heated.	How Ventilated.	Valuation, including Furniture.	When Built.	Enlargements.
Brought forward	244	10,897	.....	.....	.....	.....	\$1,416,471	....	4 rooms added 1907
Brown	10	487	20,093	Brick	Steam	Gravity	64,151	1901	
Proctor	9	343	18,000	Brick	Steam	Gravity	42,820	1905	
Burns	8	387	16,080	Brick	Steam	Gravity	34,760	1886	4 rooms added 1899
Lowe	8	337	21,650	Brick	Steam	Gravity	51,826	1903	
Baxter	6	298	11,000	Brick	Steam	Gravity	32,956	1901	
Perry	6	321	46,080	Brick	Steam	Gravity	37,080	1899	
Girls' Vocational	6b	50	8,850	Wood	Furnace	Furnace	9,387	1911	
Boys' Vocational	4	50	30,155	Wood	Furnace	Furnace	27,904	1884	
Cummings	4	167	11,300	Wood	Furnace	Furnace	11,920	1884	
Durell	4	198	13,883	Brick	Steam	Gravity	19,720	1894	
Lincoln	4	154	17,662	Wood	Steam	Gravity	18,220	1885	
Total	313	13,689	.....	....	.....	.....	\$1,767,215	....

(There are besides one girls' dining room, one teachers' dining room, one stock room, four fitting rooms, one infirmary, and a principal's office.

TABLE 2.—COST OF MAINTAINING SCHOOLS
FOR SCHOOL YEAR 1913-14.

SCHOOLS.	FROM SCHOOL APPROPRIATION.		SPENT BY CITY GOVERNMENT.	Total.
	Instruction and Supervision.	Supplies.	Care.	
High	\$81,103 19	\$11,023 02	\$12,412 48	\$104,538 69
Prescott	11,833 39	635 30	1,931 83	14,400 52
Knapp	12,964 22	784 95	1,962 21	15,911 38
Pope	11,374 35	639 54	2,097 32	14,111 21
Bell	9,364 95	652 77	1,634 19	11,651 91
Edgerly	12,225 38	689 38	1,750 68	14,655 44
Glines	13,461 80	652 03	2,425 24	16,539 07
Forster	16,509 39	826 58	3,544 80	20,880 77
Bingham	15,858 45	788 98	2,263 53	18,910 96
Carr	16,598 18	969 26	2,338 98	19,906 42
Morse	11,695 31	710 27	1,776 66	14,182 24
Brown	10,278 79	633 18	1,526 48	12,438 45
Highland	12,343 37	920 14	2,045 50	15,309 01
Hodgkins	12,511 56	698 22	1,551 50	14,761 28
Cutler	11,986 15	1,158 59	2,677 50	15,822 24
Bennett	9,932 18	430 13	1,833 16	12,195 47
Hanscom	9,505 10	358 86	1,747 81	11,611 77
Proctor	5,968 73	267 51	1,409 47	7,645 71
Burns	7,308 76	409 73	1,498 36	9,216 83
Lowe	6,529 50	205 08	1,385 94	8,120 52
Baxter	5,315 63	193 88	1,247 24	6,756 75
Perry	4,767 39	188 38	1,398 45	6,354 22
Cummings	3,363 08	97 87	1,249 15	4,710 10
Durell	3,129 38	100 72	1,003 01	4,233 11
Lincoln	592 07	109 79	545 37	1,247 23
Atypical	1,699 04	86 51	277 94	2,063 49
Boys' Vocational	4,683 41	1,137 25	1,412 10	7,232 76
Girls' Vocational	6,642 11	557 43	1,345 19	8,544 73
Evening	9,042 17	917 46	1,443 25	11,402 88
Total	\$338,587 03	\$26,842.81	\$59,735 34	\$425,165 18

TABLE 3.—PER CAPITA COST OF MAINTAINING SCHOOLS.
FOR SCHOOL YEAR 1913-14.

SCHOOLS.	Instruction and Supervision.	Supplies.	Care.	Total.
High	\$43 41	\$5 90	\$6 64	\$55 95
Prescott	23 16	1 24	3 78	28 18
Knapp	24 88	1 51	3 77	30 16
Pope	24 05	1 35	4 43	29 83
Bell	21 73	1 51	3 79	27 03
Edgerly	22 89	1 29	3 28	27 46
Glines	25 64	1 24	4 62	31 50
Forster	22 87	1 14	4 91	28 92
Bingham	21 26	1 05	3 03	25 34
Carr	24 59	1 44	3 47	29 50
Morse	23 34	1 42	3 55	28 31
Brown	23 25	1 43	3 45	28 13
Highland	24 94	1 86	4 13	30 93
Hodgkins	24 97	1 39	3 10	29 46
Cutler	23 10	2 50	5 16	30 56
Bennett	22 83	99	4 21	28 03
Hanscom	18 21	69	3 35	22 25
Proctor	21 02	94	4 96	26 92
Burns	21 56	1 20	4 42	27 18
Lowe	20 93	66	4 44	26 03
Baxter	28 27	1 03	6 63	35 93
Perry	19 62	78	5 75	26 15
Cummings	20 02	58	7 44	28 04
Durell	20 45	66	6 56	27 67
Lincoln	8 84	1 64	8 14	18 62
Atypical	60 68	3 09	9 93	73 70
Evening	8 02	81	1 28	10 11
Gram. and primary	22 94	1 28	4 17	28 39
All schools	24 55	1 89	4 27	30 71
Boys' Vocational . .	99 65	24 20	30 04	153 89
Girls' Vocational . .	94 89	7 96	19 22	122 07

TABLE 4.—ANNUAL COST OF MAINTAINING THE SCHOOLS.
FOR A SERIES OF YEARS.

Amounts are given to the nearest dollar and include what has been paid for maintaining day and evening schools of all grades.

YEAR.	Average Membership.	FROM SCHOOL APPROPRIATION.		SUM SPENT UNDER DIRECTION OF CITY GOVERNMENT.				Total.
		Instruction and Supervision.	School Supplies.	Light.	Heating.	Janitors.	School Telephones.	
1886	4,985	\$83,542	\$6,676	\$624	\$4,929	\$4,194	...	\$99,865
1887	5,198	86,713	7,526	765	6,475	5,084	...	106,563
1888	5,488	88,967	7,421	953	7,121	5,892	...	110,354
1889	5,956	96,466	9,903	805	6,081	6,448	...	119,703
1890	6,486	104,184	10,371	1,004	5,586	7,539	...	128,684
1891	6,502	114,066	13,899	1,047	8,032	8,544	...	145,588
1892	7,035	124,232	12,944	1,064	7,148	9,794	...	155,183
1893	7,217	128,720	10,137	1,014	8,312	10,160	...	158,333
1894	7,212	132,919	10,919	958	9,673	10,686	...	165,155
1895	7,617	144,113	15,063	1,398	8,796	11,581	...	180,951
1896	8,077	161,551	17,601	1,469	9,962	14,160	...	204,743
1897	8,589	180,222	14,815	1,920	10,065	16,251	...	223,273
1898	9,085	189,244	14,986	2,075	9,767	17,393	...	233,465
1899	9,502	197,660	16,131	2,472	10,821	17,831	...	244,915
1900	9,823	212,863	15,735	1,729	10,840	19,236	...	260,403
1901	9,991	226,556	18,707	1,731	13,723	20,078	...	280,796
1902	10,402	234,210	19,386	1,803	10,489	20,859	...	286,747
1903	10,719	242,964	20,873	2,015	18,052	21,042	...	304,946
1904	11,094	255,481	21,411	1,436	15,315	22,024	\$237	315,904
1905	11,543	259,597	20,137	4,345	15,167	21,949	482	321,677
1906	11,762	266,197	22,589	2,875	14,162	23,143	380	329,346
1907	11,909	273,107	24,317	3,760	15,236	23,999	433	340,852
1908	12,159	294,400	26,377	3,831	14,912	25,245	386	365,151
1909	12,423	298,839	21,819	4,071	14,798	26,072	550	366,149
1910	12,131	298,420	26,292	6,109	14,003	25,803	595	371,222
1911	11,871	300,393	24,968	4,751	14,907	26,031	529	371,579
*1912	11,710	306,709	30,319	5,995	15,676	†30,219	512	389,431
*1913	11,856	320,744	25,877	5,842	16,055	32,939	542	402,092†
*1914	12,320	338,587	26,843	6,448	18,952	33,711	624	425,165

* Facts are given for School Year, July 1 to June 30, inclusive.

† Salaries, \$27,708; Supplies, \$2,511.

‡ \$92.50 included for rental of church for schoolhouse purposes in Ward 7.

TABLE 5.—ANNUAL COST PER CAPITA OF MAINTAINING SCHOOLS

FOR A SERIES OF YEARS.
[Based on the average membership.]

YEAR.	Instruction and Supervision.	School Supply Expenses.	Janitors, Water, Heat, and Light.	Total.	Assessors' Valuation of City.	Ratio of Cost of School Maintenance to Valuation.
1886	\$16 76	\$1 34	\$1 94	\$20 03	\$26,003,200	.00384
1887	16 68	1 45	2 37	20 50	27,469,300	.00388
1888	16 21	1 36	2 54	20 11	28,756,400	.00384
1889	16 20	1 66	2 24	20 10	30,004,600	.00399
1890	16 06	1 60	2 18	19 84	32,557,500	.00395
1891	17 54	2 14	2 71	22 39	36,843,400	.00395
1892	17 66	1 84	2 56	22 06	38,093,100	.00407
1893	17 84	1 40	2 70	21 94	41,773,600	.00379
1894	18 43	1 51	2 96	22 90	44,142,900	.00374
1895	18 92	1 98	2 86	23 76	46 506,300	.00390
1896	20 00	2 18	3 17	25 35	49,013,050	.00418
1897	20 98	1 73	3 29	26 00	50,173,775	.00444
1898	20 83	1 65	3 22	25 70	50,739,700	.00460
1899	20 80	1 70	3 28	25 78	51,202,350	.00478
1900	21 67	1 60	3 24	26 51	52,513,400	.00496
1901	22 67	1 87	3 56	28 10	53,924,200	.00521
1902	22 52	1 86	3 19	27 57	55,485,370	.00517
1903	22 67	1 95	3 84	28 46	56,981,360	.00535
1904	23 03	1 93	3 52	28 48	58,056,700	.00544
1905	22 50	1 74	3 63	27 87	59,146,600	.00544
1906	22 63	1 92	3 45	28 00	60,371,500	.00546
1907	22 93	2 04	3 65	28 62	61,527,750	.00554
1908	24 21	2 17	3 65	30 03	63,158,400	.00578
1909	24 06	1 76	3 66	29 48	63,659,210	.00575
1910	23 05	2 03	3 59	28 67	66,376,338	.00559
1911	23 50	1 95	3 62	29 07	67,284,066	.00552
*1912	23 61	2 12	3 99	29 72	69,632,540	.00556
*1913	24 54	1 91	4 18	30 63	71,848,811	.00559
*1914	24 55	1 89	4 27	30 71	74,887,800	.00568

* Facts given for school year July 1 to June 30, inclusive.

TABLE 6.—AMOUNT SPENT ANNUALLY FOR ALL SCHOOL PURPOSES

FOR A SERIES OF YEARS.

YEAR.	For New Schoolhouses.	For Repairs and Permanent Improvements.	For Maintaining Schools.	Amount Spent for all School Purposes.
1886	\$15,515	\$8,706	\$99,865	\$114,086
1887	14,839	13,636	106,563	135,038
1888	4,996	13,994	110,354	129,344
1889	20,167	14,225	119,703	154,095
1890	75,775	19,168	128,684	223,627
1891	84,902	14,847	145,588	245,337
1892	12,679	17,734	155,183	176,001
1893	22,809	12,440	158,333	193,582
1894	82,206	44,764	165,155	292,125
1895	87,680	15,651	180,951	284,282
1896	61,016	33,240	204,743	298,999
1897	46,621	20,507	223,273	290,400
1898	49,983	21,274	233,465	304,722
1899	72,516	15,637	244,915	333,068
1900	51,232	21,745	260,403	333,380
1901	49,203	11,000	280,796	340,999
1902	56,501	13,079	286,747	356,327
1903	59,822	12,261	304,946	377,029
1904	23,703	18,209	315,904	357,816
1905	51,987	8,306	321,677	381,970
1906	38,457	11,951	329,346	379,754
1907	31,804	18,008	340,852	390,664
1908	18,271	17,792	365,151	401,214
1909	828	21,195	366,149	388,172
1910		21,864	371,222	393,086
1911	7,149	18,911	371,579	397,639
*1912	35,527	14,163	389,431	439,121
*1913	34,866	19,341	402,092	456,299
*1914	120,913	19,700	425,165	565,778

*Facts are given for school year July 1 to June 30, inclusive.

TABLE 7.—POPULATION AND SCHOOL CENSUS.

1842 . . 1,013	1890 . . 40,117	1907 . . 72,000
1850 . . 3,540	1895 . . 52,200	1908 . . 75,500
1860 . . 8,025	1900 . . 61,643	1909 . . 75,500
1865 . . 9,366	1901 . . 63,000	1910 . . 77,236
1870 . . 14,693	1902 . . 65,273	1911 . . 78,000
1875 . . 21,594	1903 . . 67,500	1912 . . 80,000
1880 . . 24,985	1905 . . 69,272	1913 . . 81,000
1885 . . 29,992	1906 . . 70,875	1914 . . 85,000

School Census.

No. of children between 5 and 15 years of age, October 1,

	1913.	1914.
Ward 1	1,839	2,065
Ward 2	2,783	2,900
Ward 3	1,057	1,011
Ward 4	1,074	1,164
Ward 5	1,952	1,999
Ward 6	2,207	2,271
Ward 7	1,777	2,103
Total	12,689	13,513

In public schools (school registration)	10,587	10,984
In private schools (school registration)	1,801	1,941
Out of school (school census)	845	1,039
Total	<u>13,233</u>	<u>13,964</u>

Number of compulsory school age, 7 to 14:—

According to census, males . . .	4,621	
females . . .	4,816	
	<hr/>	9,437
According to registration :—		
In public schools, males . . .	4,173	
females . . .	4,298	
	<hr/>	8,471
In private schools, males . . .	654	
females . . .	753	
	<hr/>	1,407
Total in school		<hr/> 9,878

	1913.	1914.
Number of illiterate minors	17	22
Children under 7 out of school	744	947
“ between 7 and 14 out on account of sickness	41	40
“ 14 years old at work	71	52
Total number out of school	856	1,039

**TABLE 8.—ATTENDANCE OF THE PUBLIC SCHOOLS FOR THE
SCHOOL YEAR 1913-14.**

Rooms Used for Classrooms in June	SCHOOLS.	Annual Enrollment.	Average Membership.	Average Attendance.	Per cent. of Attendance.	No. Attending in October.	No. Attending in June.	Average No. to Classroom in June.
44	High . . .	2,111	1,868	1,764	94.5	1,866	1,883	27*
12	Prescott . . .	589	511	479	94.0	517	530	44
12	Hanscom . . .	571	522	484	92.7	498	535	44
12	Bennett . . .	532	435	393	90.4	452	463	39
6	Baxter . . .	311	188	176	93.5	236	245	41
13	Knapp . . .	575	521	498	95.5	515	540	42
6	Perry . . .	284	243	229	94.2	260	247	41
12	Pope . . .	547	473	448	94.8	489	483	40
10	Bell . . .	477	431	409	94.9	445	439	44
4	Cummings . . .	212	168	158	93.3	178	165	41
12	Edgerly . . .	508	534	506	94.8	542	545	45
13	Glines . . .	646	525	497	94.7	568	586	45
17	Forster . . .	769	722	681	95.1	733	755	44
16	Bingham . . .	838	746	703	94.3	753	738	46
17	Carr . . .	692	675	636	95.2	695	674	40
12	Morse . . .	566	501	469	93.6	513	496	41
7	Proctor . . .	325	284	266	93.7	292	294	42
4	Durell . . .	180	153	141	92.5	153	166	41
8	Burns . . .	397	339	321	94.6	321	359	45
10	Brown . . .	511	442	418	94.5	442	450	45
12	Highland . . .	519	495	477	96.3	499	500	41
13	Hodgkins . . .	550	501	479	95.7	509	509	39
12	Cutler . . .	575	519	492	94.8	550	525	44
2	Lincoln . . .	29	67	63	93.2	...	72	36
8	Lowe . . .	371	312	292	93.5	316	305	38
2	Atypical . . .	22	28	24	85.7	26	32	16
4	Boys' Vocational . . .	52	47	45	94.9	48	42	....
6	Girls' Vocational . . .	83	70	62	87.8	72	78	....
306	Total	13,932	12,320	11,610	94.2	12,488	12,656	
289	Total for 1912-13	13,491	11,903	11,216	94.2	11,894	11,752	

* Per teacher.

**TABLE 9.—STATISTICS OF HIGH SCHOOL FOR SCHOOL YEAR
SEPTEMBER 8, 1913, TO JUNE 26, 1914.**

Number of teachers, including head master	71
Number of days school kept	180
Number enrolled	2,111
Average number belonging	1,867.5
Average daily attendance	1,764.2
Per cent. of attendance	94.5
Tardiness	2,468
Dismissals	415
In Class I-B September, 1913	487
June	430
Per cent. of loss	11.7
In Class I-A February, 1914	222
June	212
Per cent. of loss	4.5
In Class II-B September, 1913	388
June	339
Per cent. of loss	12.6
In Class II-A September, 1913	155
June	148
Per cent. of loss	4.5
In Class III-B September, 1913	366
June	327
Per cent. of loss	10.7
In Class III-A September, 1913	120
June	105
Per cent. of loss	12.5
In Class IV-B September, 1913	290
June	279
Per cent. of loss	3.8
In Class IV-A September, 1913	41
June	39
Per cent. of loss	4.9
Special students, September, 1913	27
June	18
Total, September, 1913	1,873
June	1,888
Per cent. of gain . . . . .	.3
Number of graduates, male	115
Number of graduates, female	158
Total	296
Average age, male graduates	18yrs.9mos.
Average age, female graduates	18yrs.9mos.
Number entering college	51
Number of graduates entering technical schools	13
Number of graduates entering normal schools	16
Cost of instruction	\$79,546 30
Cost of supplies	10,272 06
Total cost	89,892 36
Per capita cost of instruction	74 60
Per capita cost of supplies	5 51
Total cost per capita	48 11

TABLE 10.—PUPILS BY GRADES, JUNE, 1914.

SCHOOL.	GRADE.	TEACHERS.			PUPILS.			Never in First Grade Before.	
		Men.	Women.		Boys.	Girls.	Total.		
			Regular.	Assistants.					
High	Special	9	9	18		
"	Thirteenth . .	....	....	....	138	180	318
"	Twelfth . . .	....	....	....	184	248	432
"	Eleventh . . .	....	....	....	217	270	487
"	Tenth . . .	....	....	....	307	321	628
	Total . . .	24	50	....	855	1,028	1,883	
Grammar	Ninth . . .	11	23	....	419	418	837	
"	Eighth . . .	....	23	....	499	485	984
"	Seventh . . .	....	25	1	530	533	1,063	
"	Sixth . . .	....	31	....	647	624	1,271
"	Fifth . . .	....	29	....	578	623	1,201
"	Fourth . . .	....	25	....	527	504	1,031
	Total gram- mar . . .	11	156	1	3,200	3,187	6,387	352	968
Primary	Third . . .	....	25	....	531	553	1,084
"	Second . . .	....	31	....	710	684	1,394
"	First . . .	....	33	2	745	733	1,478	
	Total pri- mary . .	....	89	2	1,986	1,970	3,956	
	Total gram- mar and primary .	11	245	3	5,186	5,157	10,343		
	Kindergarten .	....	4	4	101	106	207	
	Specials . . .	2	11	1	40	31	71		
	Cadets . . .	....	4	....	....	....	....
	Atypical . . .	....	2	....	17	15	32
	Boys' Vocational	4	....	....	42	....	42
	Girls' Vocational	....	9	....	....	78	78
	Grand total .	41	325	8	6,241	6,415	12,656		

TABLE 11.—PUPILS IN HIGH AND GRAMMAR SCHOOLS,
1913—1914.

	High School.	Grammar and Primary Schools.	Kinder- gartens.	Vocational School for Boys.	Vocational School for Girls.	Atypical Schools.	Total.
Annual enrollment	2,111	11,349	315	52	83	22	13,932
Average membership	1,868	10,098	209	47	70	28	12,320
Average attendance	1,764	9,528	187	45	62	24	11,610
Per cent. of attendance	94.5	94.3	89.5	94.9	87.8	85.7	94.2
Number cases of tardiness	2,468	4,402	45	442	..	23	7,380
Number cases of dismissal	415	2,726	..	14	..	11	3,166
Number cases of punishment . . . . .	..	228	..	..	..	1	229
Membership, October, 1913	1,866	10,254	222	48	72	26	12,488
Membership, June, 1914	1,883	10,414	207	42	78	32	12,656

TABLE 12.—NUMBER OF PUPILS ADMITTED TO GRADE 1 IN
SEPTEMBER AND FEBRUARY.

School.	1911-12.		1912-13		1913-14	
	Sept.	Feb.	Sept.	Feb.	Sept.	Feb.
Prescott	38	1	44	8	33	13
Hanscom	69	14	72	23	81	24
Bennett	53	18	38	30	76	21
Baxter	28	10	33	11	40	14
Knapp	11	12	34	13	31	14
Perry	28	12	37	10	43	1
Pope	28	3	33	7	29	11
Bell . . . . .	..	..	..	..	..	..
Cummings	41	11	55	22	50	9
Edgerly	32	12	37	17	35	15
Glines	47	23	55	17	41	17
Forster	45	19	66	23	60	21
Bingham	51	36	54	32	64	21
Carr	16	13	39	19	50	21
Morse	22	9	49	17	52	21
Proctor	32	10	41	13	44	10
Durell	35	9	28	12	24	16
Burns	28	17	44	13	47	25
Brown	42	16	47	26	16	16
Highland . . . . .	..	..	..	..	..	..
Hodgkins	31	1	53	27	54	14
Cutler . . . . .	..	..	20	22	55	26
Lincoln	41	22	..	..	..	..
Lowe	43	19	39	34	43	22
Total	761	287	918	396	968	352
Grand Total	1,048		1,314		1,320	

TABLE 13.—GRAMMAR SCHOOL GRADUATES, 1914.

SCHOOLS.	Number receiving Diplomas.	Number Certificated for High School.		Number En- tering High School.	
		Conditionally.	Unconditionally.	Conditionally.	Unconditionally.
Prescott	62	13	41	9	36
Knapp	58	4	54	3	34
Pope	47	14	30	9	26
Bell	72	6	64	5	60
Edgerly	65	5	59	5	42
Glines	28	4	23	5	20
Forster	66	9	56	6	48
Bingham	51	8	43	4	33
Carr	61	10	42	9	37
Morse	38	2	36	1	34
Brown	47	5	42	5	36
Highland	85	6	78	5	69
Hodgkins	26	2	22	2	21
Cutler	35	9	26	..	23
Total	741	97	616	68	519

TABLE 14.—COMPARATIVE STATISTICS OF THE TRUANCY DEPARTMENT.

	1912.	1913.	1914.	Change.
Number of cases investigated	1,589	1,674	1,826	+152
Number of cases found to be truancy or absenteeism	426	449	431	—18
Number of different pupils who were truants or habitual absentees	310	331	321	—10
Number who were truants for the first time	235	251	259	+8
Number who were truants for the second time	51	54	38	—16
Number who were truants for three or more times	24	26	24	—2
Number of girls who were truants or absentees	44	42	53	+11
Number of truants from the high school	17	21	35	+14
Number of truants or absentees from the public schools	309	334	334	0
Number of truants or absentees from the parochial schools	117	98	62	—36
Number of complaints to the court for truancy	10	8	16	+8
*Number placed on probation by the court	2	3	14	+11
Number committed to the County Training school	9	7	5	—2
Number of complaints made to the court for illegally keeping children out of school	2	0	1	+1
Number of convictions secured for illegally keeping children out of school	1	0	1	+1
Number of visits to the schools	975	831	891	+60
Number of visits to the homes	1,437	1,534	1,712	+178
Number of cases of parental neglect of children found and reported to charitable institutions	10	5	6	+1
Number of cases of removal of children from the custody of parents by order of the court	3	0	1	+1
Number of visits to mercantile or manufacturing establishments	41	64	61	—3
Number of minors found to be working without age and schooling certificates	57		76	+33
Number of employment certificates issued to boys	339		408	+93

* 3 committed for breaking terms of probation.

TABLE 14 (Continued) COMPARATIVE STATISTICS OF THE TRUANCY DEPARTMENT.

	1912.	1913.	1914.	Change.
Number of employment certificates issued to girls	249	261	269	+8
Number of educational certificates issued to minors over 16 years of age	642	673	2,967	+2,294
Number of newspaper licenses issued to boys 12 to 16 years of age	90	140	197	+57
Number of transfer cards investigated	1,169	1,412	1,492	+80
Number of truants in the County Training school at the close of the year	20	13	15	+2
Amount paid for board of truants	817.96	847.43	718.40	
Salary of Attendance Officer, Benjamin R. Jones	1,350.00	1,350.00	1,350.00	

TABLE 14-A.—TRUANCIES AND ABSENTEEISM BY AGES AND GRADES.

GRADE.	BY AGES.											Totals.
	6	7	8	9	10	11	12	13	14	15	16 or Over	
I. . . .	5	8	7	2	1	..	..	..	..	..	..	23
II. . . .	2	8	8	3	2	..	..	..	..	..	..	23
III.	6	10	5	2	..	1	..	..	*7	31
IV.	8	11	9	8	7	2	1	..	46
V.	1	6	12	7	8	6	1	1	42
VI.	1	6	20	23	23	15	..	88
VII.	4	6	25	26	14	..	75
VIII.	4	6	17	6	1	34
IX.	3	..	..	3
X.	5	7	6	18
XI.	1	..	11	12
XII.	5	5
XIII.	1	1
Vocational 1st yr	4	7	3	14
" 2d yr.	1	1	1	3
Ungraded	1	1	1	1	3	3	2	1	13
Total .	7	16	21	25	27	34	46	73	91	54	37	431

*Evening Schools.

TABLE 14-B.—TRUANTS AND ABSENTEES BY SCHOOLS.

School	No. of Truants
High	35
Prescott	30
Hanscom	8
Bennett	23
Baxter	2
Knapp	21
Perry	4
Pope	33
Bell	19
Cummings	0
Edgerly	11
Glines	6
Forster	0
Bingham	7
Carr	29
Morse	17
Proctor	4
Durell	0
Burns	1
Brown	2
Highland	1
Hodgkins	16
Lowe	1
Cutler	5
Vocational School for Boys	17
Bell Evening	2
Highland Evening	5
Parochial	62
Not attending school; found on street	70
Total	431

TABLE 15.—ATTENDANCE IN ELEMENTARY EVENING SCHOOLS FROM OCTOBER, 1913, TO MARCH, 1914.

		Bell.	Highland.	Total.
Enrolled	Male	598	113	711
	Female	184	40	224
	Total	782	153	935
Ave. membership	Male	260	63	323
	Female	104	23	127
	Total	364	86	450
Ave. attendance	Male	197	52	249
	Female	75	19	94
	Total	272	71	343
Per cent. Att. out of No. belonging . . . . .	. .	74.7	84.9	76.2
Per cent. Att. out of No. enrolled . . . . .	. .	34.8	46.4	36.7
Ave. No. of teachers	Male	2	3	5
	Female	20	3	23
	Total	22	6	28
No. of sessions . . . . .	. .	77	77	
Teachers, cost of . . . . .	. .	\$3,198.50	\$880.00	\$4,078.50
Janitors, supplies and lights, cost of . . . . .	. .	424.92	185.09	610.01
	Total	\$3,623.42	\$1,065.09	\$4,688.51
Cost per pupil per evening . . . . .	. .	\$0.129	\$0.160	\$0.135
Cost per evening . . . . .	. .	47.06	13.83	60.89
Cost per pupil in ave. membership . . . . .	. .	9.95	12.38	10.42
Cost per pupil in ave. attendance . . . . .	. .	13.32	15.00	13.67

TABLE 15 (Concluded).—**Evening High School, Season of 1913-1914.**

	Male.	Female.	Total.
Enrolled	487	351	838
Average membership.....	349	251	600
Average attendance.....	261	156	417
Number of teachers.....	15	11	26
Number of sessions.....			57
Cost of instruction.....		\$4,251.00	
Cost of supplies and light.....		632.63	
Total cost.....		<u>\$4,883.63</u>	
Cost per pupil per evening.....		0.142	
Average attendance: October, 531; November, 471; December, 393; January, 398; February, 340; March, 368.			

TABLE 16.—GRAMMAR SCHOOL GRADUATES.
FOR A SERIES OF YEARS.

YEAR.	Prescott.	Bell.	Forster.	Morse.	Highland.	Elderly.	Pope.	Knapp.	Hodgkins.	Glines.	Carr.	Bingham.	Brown.	Cutler.	Total.	Average Membership of Grammar and Primary Schools.	Per cent. of Average Membership Graduating.	Entered High School.	Per cent. Entering of those Graduating.
1890	54	106	45	56	57										318	6,062	5.24	184	57.86
1891	44	73	41	55	44	39	36								296	6,035	4.90	199	67.23
1892	41	36	75	49	45	49	36	39							370	6,525	5.67	228	61.62
1893	40	60	48	63	67	46	36	38							398	6,674	5.97	240	60.30
1894	39	29	79	66	68	41	35	32							389	6,600	5.89	253	65.04
1895	36	32	58	63	73	42	36	34							374	6,955	5.37	255	68.18
1896	38	34	72	38	70	46	37	35							370	7,201	5.13	281	76.00
1897	34	39	50	48	41	29	30	25	45	27					368	7,602	4.84	273	74.19
1898	36	43	31	46	36	50	36	28	41	35					382	8,029	4.75	281	73.56
1899	37	50	62	48	49	40	34	34	39	37	38				468	8,351	5.60	345	73.72
1900	36	45	43	31	43	47	44	34	42	36	33				434	8,689	4.99	317	73.00
1901	34	38	70	43	72	47	43	38	41	35	36				497	8,811	5.64	372	74.80
1902	41	48	61	45	67	46	35	31	32	40	51				497	9,328	5.33	350	70.40
1903	34	45	62	35	65	51	28	34	52	31	47				484	9,362	5.17	354	73.14
1904	31	35	84	46	79	44	36	38	40	36	43				512	9,739	5.26	367	71.68
1905	40	40	74	44	85	47	42	48	61	36	58	31			606	10,298	5.88	463	76.40
1906	35	54	67	44	109	49	44	64	58	40	43	33			640	10,209	6.22	474	74.10
1907	37	62	67	44	126	81	36	56	59	62	60	35			725	10,440	6.94	561	77.40
1908	44	51	71	71	88	50	64	66	61	42	58	36	40		742	10,410	7.13	551	74.26
1909	27	59	73	44	95	82	48	70	55	43	66	36	43		741	10,582	7.00	546	73.68
1910	30	53	72	48	96	68	56	80	62	32	57	39	50		743	10,451	7.10	521	70.12
1911	35	69	82	63	93	48	43	82	73	75	59	37	46		805	10,101	7.97	609	75.65
1912	40	75	79	56	90	70	62	79	62	33	43	47	45		781	9,806	7.96	538	68.88
1913	41	34	71	44	113	51	39	59	38	26	43	46	47	39	691	9,961	6.94	533	77.13
1914	62	72	66	38	85	65	47	58	26	28	61	51	47	35	741	10,098	7.32	587	79.21
	966	1,282	1,603	1,228	1,856	1,228	947	1,102	887	694	796	491	318	74	13,372	218,319	6.12	9,682	72.40

TABLE 17.—ATTENDANCE STATISTICS.

FOR A SERIES OF YEARS.

DECEMBER.	ENROLLMENT.	Average Membership	Average Attendance.	Per cent. of Attendance.	Number of Tardinesses.	Ratio of Tardiness to Average Attendance.
1886	6,350	4,985	4,678	93.8	2,834	0.606
1887	6,605	5,198	4,879	93.8	2,699	0.553
1888	7,262	5,488	5,174	94.0	2,938	0.549
1889	7,757	5,956	5,585	93.8	2,780	0.498
1890	7,878	6,485	6,075	93.6	3,133	0.516
1891	8,510	6,502	6,091	93.7	3,182	0.522
1892	9,120	7,035	6,608	93.9	3,181	0.481
1893	9,632	7,217	6,790	94.1	3,375	0.497
1894	9,387	7,212	6,840	94.8	3,000	0.419
1895	9,913	7,617	7,255	95.2	2,736	0.377
1896	10,582	8,077	7,663	94.9	2,743	0.358
1897	11,293	8,589	8,144	94.8	2,486	0.305
1898	11,577	9,085	8,636	95.1	2,941	0.341
1899	11,975	9,502	8,965	94.3	2,566	0.286
1900	12,345	9,823	9,174	93.4	2,759	0.300
1901	12,499	9,991	9,350	93.6	2,937	0.294
1902	13,116	10,402	9,733	93.5	3,335	0.343
1903	13,475	10,719	10,056	93.9	3,428	0.342
1904	13,804	11,094	10,422	93.9	3,887	0.373
1905	14,296	11,543	10,897	94.4	3,746	0.344
1906	14,551	11,762	11,069	94.1	4,046	0.366
1907	14,802	11,909	11,166	93.8	4,170	0.373
1908	15,105	12,159	11,458	94.2	3,882	0.344
1909	15,363	12,423	11,666	93.9	4,422	0.379
1910	14,481	12,131	11,435	94.3	4,320	0.378
1911	14,301	11,871	11,186	94.2	6,017	0.538
*1912	13,272	11,710	11,083	94.6	6,307	0.569
*1913	13,491	11,903	11,216	94.2	7,354	0.655
*1914	13,932	12,320	11,610	94.2	7,380	0.635

• June.

TABLE 18.—MEMBERSHIP, ETC., OF HIGH SCHOOL
FOR A SERIES OF YEARS.

YEAR.	Average Membership all Schools.	Largest Number in High School.	Per cent. of Average Membership of all Schools.	Number of Graduates of High School.	Per cent. of Average Membership of all Schools.
1867	2,157	119	5.51	7	0.32
1868	2,285	141	6.17	17	0.75
1869	2,480	158	6.37	25	1.01
1870	2,639	165	6.25	16	0.65
1871	2,549	161	6.31	33	1.29
1872	2,799	186	6.64	21	0.75
1873	3,217	190	5.91	28	0.87
1874	3,265	198	6.06	26	0.79
1875	3,515	213	6.06	31	0.88
1876	3,712	226	6.09	33	0.81
1877	3,788	227	5.91	37	0.98
1878	3,992	250	6.26	31	0.78
1879	4,169	246	5.90	34	0.82
1880	4,278	254	5.93	27	0.63
1881	4,064	256	6.29	34	0.84
1882	4,263	280	6.57	33	0.77
1883	4,438	278	6.26	43	0.97
1884	4,804	315	6.55	46	0.96
1885	4,904	385	7.85	46	0.94
1886	4,985	374	6.70	56	1.12
1887	5,198	387	7.44	53	1.02
1888	5,488	435	7.92	60	1.09
1889	5,956	444	7.45	67	1.12
1890	6,485	487	7.51	60	0.93
1891	6,502	535	8.23	68	1.05
1892	7,035	577	8.20	80	1.14
1893	7,217	626	8.67	82	1.14
1894	7,274	691	9.50	111	1.52
1895	7,617	775	10.17	92	1.21
1896	8,077	858	10.62	119	1.47
1897	8,589	885	10.31	121	1.59
1898	9,085	890	9.80	130	1.43
1899	9,502	985	10.70	137	1.49
1900	9,823	1,031	10.49	131	1.33
1901	9,991	1,098	10.99	152	1.52
1902	10,402	1,138	10.94	164	1.58
1903	10,719	1,208	11.27	181	1.70
1904	11,094	1,286	11.60	179	1.61
1905	11,543	1,372	11.89	211	1.83
1906	11,762	1,473	12.52	208	1.77
1907	11,909	1,614	13.55	223	1.87
1908	12,159	1,707	14.04	235	1.93
1909	12,423	1,828	14.71	265	2.13
1910	12,131	1,796	14.80	266	2.20
1911	11,871	1,836	15.47	277	2.33
*1912	11,710	2,023	17.28	296	2.53
*1913	11,903	2,081	17.48	296	2.48
*1914	11,610	2,111	18.18	273	2.35

*For school year ending June 30.

TABLE 19.—PROMOTIONS FOR SCHOOL SEMESTER ENDING JANUARY 31, 1914.

GRADE.	On Promotion List.	Unconditionally Promoted One-half Grade.	Promoted on Trial.	Retarded One-half Grade.	Promoted More than One-half Grade.	Special Promotions during the Semester.	Promotees Dropped Back after Two Months' Trial.
I	1,529	1,229	54	218	28	7	...
II	1,336	1,106	66	125	39	10	4
III	1,017	769	81	110	57	11	...
IV	1,075	767	159	123	26	8	8
V	1,249	911	194	118	26	7	2
VI	1,258	933	205	104	16	16	5
VII	1,063	767	171	101	24	15	4
VIII	942	666	165	88	23	4	2
IX	742	560	135	45	2	3	2
Total	10,211	7,708	1,230	1,032	241	81	27

Percentage of Promotions for Semester Ending January 31, 1914.

GRADE.	On Promotion List.	Unconditionally Promoted One-half Grade.	Promoted on Trial.	Retarded One-half Grade.	Promoted More than One-half Grade.	Special Promotions during the Semester.	Promotees Dropped Back after Two Months' Trial.
I	100	80.4	3.6	14.2	1.8	0.6	...
II	100	82.8	4.9	9.4	2.9	0.8	6.1
III	100	75.6	8.0	10.8	5.6	1.1	...
IV	100	71.4	14.8	11.4	2.4	1.1	5.3
V	100	72.9	15.6	9.4	2.1	0.7	1.0
VI	100	74.1	16.3	8.3	1.3	1.3	2.4
VII	100	72.1	16.1	9.5	2.3	1.4	2.3
VIII	100	70.7	17.5	9.3	2.5	0.4	1.2
IX	100	75.4	18.2	6.1	0.3	0.4	1.2
Average.	100	75.5	12.0	10.2	2.3	0.8	2.2

**TABLE 19.—PROMOTIONS FOR SCHOOL SEMESTER ENDING
JUNE 26, 1914.**

GRADE.	On Promotion List.	Unconditionally Promoted One-half Grade.	Promoted on Trial.	Retarded One-half Grade.	Promoted more than One-half Grade.	Special Promotions during the Semester.	Promotees Dropped Back after Two Months' Trial.
I	1,383	1,076	91	175	41	5	7
II	1,376	1,113	93	97	73	3	17
III	1,049	833	78	84	54	11	1
IV	1,001	760	128	62	51	10	6
V	1,217	953	159	96	9	10	3
VI	1,228	933	206	77	12	7	2
VII	1,035	742	222	57	14	9	8
VIII	958	695	176	75	12	2	5
IX	824	620	124	52	28	18	2
Total	10,071	7,725	1,277	775	294	75	51

Percentage of Promotions for Semester Ending June 26, 1914.

GRADE.	On Promotion List.	Unconditionally Promoted One-half Grade.	Promoted on Trial.	Retarded One-half Grade.	Promoted more than One-half Grade.	Special Promotions during the Semester.	Promotees Dropped Back after Two Months' Trial.
I	100	77.8	6.6	12.7	2.9	0.4	7.7
II	100	80.8	6.8	7.1	5.3	0.2	18.3
III	100	79.4	7.4	8.0	5.2	1.1	1.3
IV	100	75.9	12.8	6.2	5.1	1.0	4.7
V	100	78.3	13.1	7.9	0.7	0.8	1.9
VI	100	75.9	16.8	6.3	1.0	0.6	9.7
VII	100	71.7	21.4	5.5	1.4	0.9	3.6
VIII	100	72.5	18.4	7.8	1.3	0.2	2.9
IX	100	75.2	15.1	6.3	3.4	2.2	1.6
Average	100	76.7	12.7	7.7	2.9	0.7	4.0

TABLE 19-A.—DISTRIBUTION OF PUPILS BY AGES, OCTOBER 1, 1914.

GRADE.	AGE.																Total.	Above Normal Age.	Percent. Above Normal Age.
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 or over			
Kgn....	216	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	217	0	....
1	58	1,188	315	50	10	....	1	....	....	1	....	....	....	....	....	....	1,623	62	3.82
2 .....	....	105	896	304	72	11	7	1	2	1	1	....	....	....	....	....	1,400	95	6.79
3 .....	....	10	151	694	283	85	35	14	1	1	2	....	....	....	....	....	1,276	138	10.81
4 .....	....	....	11	140	511	228	101	41	13	6	1	....	....	....	....	....	1,052	162	15.4
5 .....	....	....	1	20	236	378	228	113	48	20	3	1	1	....	....	....	1,049	186	17.73
6 .....	....	....	....	....	32	380	362	216	125	52	10	1	....	....	....	....	1,178	188	15.96
7 .....	....	....	....	....	2	74	374	324	262	116	26	4	....	....	....	....	1,182	146	12.35
8 .....	....	....	....	....	....	2	56	319	316	195	71	6	....	....	....	....	905	77	7.98
9 .....	....	....	....	....	....	....	5	71	230	269	151	49	10	....	....	....	785	59	7.51
10 .....	....	....	....	....	....	....	....	....	90	282	213	80	11	2	..	1	684	14	2.05
11 .....	....	....	....	....	....	....	....	....	9	67	204	167	62	8	3	....	520	11	2.11
12 .....	....	....	....	....	....	....	....	....	....	15	65	167	111	41	9	4	412	13	3.15
13 .....	....	....	....	....	....	....	....	....	....	....	3	47	145	97	25	5	322	5	1.55
P. G....	....	....	....	....	....	....	....	....	....	....	..	3	2	3	7	2	17	.....	....
Total.	274	1,303	1,375	1,208	1,146	1,158	1,169	1,104	1,096	1,025	750	525	342	151	44	12	12,682	1,156	9.12
Under Normal Grade.....																			
Per cent. under Normal Grade.																			

This table does not include children in special classes or vocational schools.

**TABLE 19-B.—DISTRIBUTION OF PUPILS, 14 BUT NOT 15,
OCTOBER 1, 1914.**

		NUMBER OF GRADES													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	
High.....	..	..	..	..	..	..	..	..	..	..	232	67	15	0	364
Prescott.....	..	..	..	..	..	2	2	12	20	15	..	..	..	..	51
Hanscom.....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1
Bennett.....	..	..	..	2	2	1	..	..	..	..	..	..	..	..	5
Baxter.....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Knapp.....	..	..	..	..	2	4	5	14	16	..	..	..	..	..	41
Perry.....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
Pope.....	..	..	..	..	1	2	8	5	24	..	..	..	..	..	40
Bell.....	..	..	..	..	..	4	9	13	22	..	..	..	..	..	48
Cummings.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0
Edgerly.....	..	..	..	1	2	3	5	21	23	..	..	..	..	..	55
Glines.....	..	..	..	..	1	3	10	5	22	..	..	..	..	..	41
Forster.....	..	..	..	..	..	3	5	11	29	..	..	..	..	..	43
Bingham.....	..	..	..	..	1	6	14	19	20	..	..	..	..	..	60
Carr.....	..	..	..	..	4	5	7	15	11	..	..	..	..	..	42
Morse.....	..	1	..	1	..	1	3	14	15	12	..	..	..	..	47
Proctor.....	..	..	..	..	1	..	2	..	..	..	..	..	..	..	3
Durell.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0
Burns.....	..	..	..	1	..	4	3	..	..	..	..	..	..	..	8
Brown.....	..	..	..	..	..	1	1	2	14	..	..	..	..	..	18
Highland.....	..	..	..	..	2	6	4	25	36	..	..	..	..	..	73
Hodgkins.....	..	..	..	1	..	3	17	6	14	..	..	..	..	..	41
Cutler.....	..	..	..	..	..	1	..	24	11	..	..	..	..	..	36
Lincoln.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0
Lowe.....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
*Specials.....	69	..	..	..	..	..	..	..	..	..	..	..	..	..	69
Total by grades....	69	1	1	1	6	20	52	116	195	269	282	67	15	0	1,094
P.C. by ".....	.063	.001	.001	.001	.005	.018	.048	.106	.178	.246	.258	.061	.014	0	1.00

* This number includes children in backward, atypical, non-English speaking and vocational classes.

TABLE 20.—RESIGNATIONS OF TEACHERS, 1914.

SCHOOL.	Teacher.	Resignation Took Effect.	In Service.
High	Nellie H. Swift	Feb., 1914	9 yrs. 8 mos.
"	Kate M. Monro	" "	4 yrs. 4 mos.
"	Mary E. Hadley	June 30, "	7 years
"	Seth A. Loring	" " "	3 yrs. 5 mos.
"	Bertha Bray	" " "	3 years
"	Marion Lovis	" " "	6 months
Prescott	Jennie M. Luce	" " "	1 year
"	Emma M. Cate	" " "	32 years
Perry	Alice L. Reid	Oct "	7 yrs. 2 mos.
Bell	Marion T. Noyes	June 30, "	1 year
Forster	Martha L. Hale	May 9, "	14 yrs. 9 mos.
"	*Marion E. Remon	Oct. "	No service
"	Edna F. Scott	Dec. 24, "	2 yrs. 3 mos.
Bingham	Lucy K. Hatch	Feb., "	21 yrs. 4 mos.
Carr	M. Florence Eustis	June 30, "	8 years
Proctor	L. Margaret Potter	March, "	7 yrs. 6 mos.
Brown	Frances D. Way	April, "	2 yrs. 7 mos.
"	Phebe E. Mathews	June 30, "	17 years
"	Alice R. Gould	Feb., "	3 yrs. 4 mos.
Highland	Elizabeth S. Smith	Dec. 24, "	2 yrs. 3 mos.
Hodgkins	Jennie M. Patterson	June 30, "	10 yrs. 9 mos.
Cutler	Elinor Neilon	Oct., "	4 yrs. 2 mos.
Boys' Vocational	E. Minor Morse	June 30, "	4 years

* Did not accept election.

TABLE 21.—TEACHERS ELECTED IN 1914.

SCHOOL.	Teacher.	Coming From.	Began Service.	Salary.
High . . .	Helen J. Coffin	Not teaching	Feb. 1914	\$750
High . . .	Ruth A. Davis	Shelburne Falls	Sept. 1914	800
High . . .	Lester W. Dearborn	Waltham	Oct. 1, 1914	1,000
High . . .	Marjorie L. Henry	Natick	Sept. 1914	850
High . . .	Albert W. Hopson	Norton	Sept. 1914	1,200
High . . .	Mary L. Johnston	Not teaching	Sept. 1914	800
High . . .	Marion Lovis	Som. Library	Jan. 1914	400
High . . .	Stephen H. Mahoney	Somerville	Feb. 1914	1,000
High . . .	Charlotte A. Norton	Braintree	Feb. 1914	900
High . . .	M. Belle Preston	Saugus	Sept. 1914	850
High . . .	Lucy I. Topliff	Not teaching	Feb. 1914	1,000
High . . .	Lillian B. Treadwell	High'd Pk. Mich.	Sept. 1914	800
High . . .	Mabel Williams	Som. Library	Sept. 1914	400
Prescott . .	Sarah H. Christie	Attleboro	Sept. 1914	750
Prescott . .	Mary L. Norton	Lynn	Mar. 1914	775
Hanscom . .	Mary J. Dewire	Somerville	Sept. 1913	450
Hanscom . .	Nellie W. McPheters	Somerville	Sept. 1914	650
Bennett . .	Mary L. Gallagher	Somerville	Sept. 1913	450
Knapp . . .	Clara A. Burns	Malden	Dec. 1914	875
Knapp . . .	Olivia H. Norcross	New Bedford	Nov. 1914	750
Bell	Ada G. MacDonald	Braintree	Sept. 1914	700
Bell	Esther L. Small	Brockton	Sept. 1914	750
Cummings .	Stella M. Hadley	Somerville	Sept. 1914	650
Glines . . .	Edith M. Dow	Hudson	Nov. 1914	550
Forster . .	Arthur J. Marchant	Ayer	Sept. 1914	1,000
Forster . .	Jessie L. Paine	Marblehead	Nov. 1914	600
Forster . .	*Marion E. Remon			850
Forster . .	Ellen J. Whitcomb	Not teaching	Dec. 1914	700
Forster . .	Hazel N. Friend	Melrose	Jan. 4, 1915	750
Bingham . .	Catherine Faircloth	Newton	Apr. 1914	750
Carr	Dorothy Perry	Watertown	Sept. 1914	750
Morse . . .	Alice L. Ray	Peace Dale, R. I.	Jan. 4, 1915	700
Durell . . .	Alice L. Dicker	Somerville	Sept. 1914	650
Brown . . .	Anna N. Johnson	Suncook, N. H.	Sept. 1914	600
		Narragansett		
Brown . . .	Gladys Stimson	Pier, R. I.	Jan. 4, 1915	700
Brown . . .	Martha R. Taylor	Lowell	Feb. 1914	700
Hodgkins . .	Augusta M. Harris	Millbury	Mar. 1914	750
Cutler . . .	Bernice J. Andrews	Dedham	Dec. 1914	750
Lincoln . .	J. Elsie MacDonald	Wakefield	Feb. 1914	600
Lowe	Eleanor J. Homer	Stoneham	Sept. 1914	650
Girls' Vocational . .	Ruth Meister	Not teaching	Oct. 1914	200

*Did not accept election.

Cadets.

Margaret Beattie
 Anna R. Canfield
 Ethel V. Chisholm
 Lillian T. Commins

Julia M. Riordan
 Eva E. Sprague
 Marguerite Stetefeld
 Anna R. Walsh

TABLE 22—LEAVE OF ABSENCE OF TEACHERS

January 1, 1914, to March 1, 1914, Mary A. Haley.
 February 1, 1914, to June 30, 1914, Phebe E. Mathews.
 April 27, 1914, to June 30, 1914, Marion P. Crawford.
 September 1, 1914, to June 30, 1915, Emma M. Cate.
 May 25, 1914, to June 30, 1914, Ruth Tousey.
 May 25, 1914, to June 30, 1915, Anna Pushee.
 May 25, 1914, to June 30, 1914, Nellie L. Quennell.
 May 25, 1914, to June 30, 1914, Marguerite Burns.
 September 1, 1914, to October 1, 1914, Irene S. Nightingale.
 September 1, 1914, (2 days each week), Mary Henleigh Brown to
 work for State Board of Education.

TABLE 23.—TRANSFER OF TEACHERS.

TEACHERS.	From	To
Harry L. Jones	High	Boys' Vocat'al
Hortense F. Small	Hanscom	Lincoln
Gertrude Allen	Knapp	Perry
Lucia Alger	Cummings	Proctor
Laura R. Cunningham	Forster	High
Emma M. Damon	Forster	Girls' Vocat'al
Catherine Faircloth	Bingham	Morse
Lizzie E. Hill	Morse	Burns
Edith A. Maxwell	Burns	Cutler
Eliza H. Lunt	Cutler	Lincoln
Cora E. Crawford	Cutler	Bingham
Julia A. Haley	Girls' Vocation	High
J. Elsie MacDonald	Lincoln	Cutler

TABLE 24.—NUMBER OF TEACHERS.

FOR A SERIES OF YEARS.

YEAR.	High School.	Grammar School.	Primary School.	Special Teachers.	Assistants not in Charge of Room.	Men.	Women.	Total.
1886	9	62	48	1	0	9	111	120
1887	10	64	48	1	0	9	114	123
1888	10	66	52	4	7	9	130	139
1889	10	60	56	4	7	10	127	137
1890	10	78	58	5	7	12	146	158
1891	12	86	63	5	13	12	167	179
1892	13	90	67	5	10	12	173	185
1893	14	88	63	5	19	12	177	189
1894	15	91	66	6	11	12	177	189
1895	28	91	73	5	12	19	186	209
1896	30	102	74	6	14	22	208	230
1897	31	109	85*	6	18	22	227	249
1898	32	112	87*	7	13	23	229	252
1899	36	119	92*	7	9	23	240	263
1900	40	127	96*	7	6	24	249	273
1901	44†	130	94*	7	8	26	257	283
1902	45†	140	91*	7	9	26	266	292
1903	46†	143	96*	7	14	25	281	306
1904	48‡	152	98*	7	9	27	285	312
1905	48‡	153	100*	7	7	27	288	315
1906	54‡	157	99*	7	9	29	297	326
1907	57‡	160	97*	9	14	32	305	337
1908	58‡	164	97*	10	16	34	311	345
1909	59‡	166	99*	10	16	36	314	350
1910	63‡	165	87*	13	11	41	298	339
1911	62‡	164	86*	20	11	40	303	343
1912	66‡	168	84*	22	9	40	309	349
1913	68‡	166	91*	28	12	39	326	365
1914	75‡	167	99*	30	20	44	347	391

*Including four kindergartners.

†Including two secretaries.

‡Including one secretary.

TABLE 25.—BOOKS AUTHORIZED FOR USE, 1914.**For High Schools.***As text-books.*

The Community and the Citizen, Dunn.....	D. C. Heath & Co.
Spanish Prose Composition, G. W. Umphrey,	American Book Company
Modelo de Cartas Comerciales, L. Oliver.....	F. Granada Y. C'a.
Spanish Tales for Beginners, E. C. Hills.....	Henry Holt & Co.
Modern Illustrative Bookkeeping, Williams and Rogers Series,	American Book Company
Business Speller, Edward H. Eldredge.....	American Book Company
Essentials of Business Arithmetic, Van Tuyl,	American Book Company

For Elementary Schools.*As text-books.*

The Congdon Music Primer, C. H. Congdon.....	Chicago
Graded City Speller, Spaulding & Miller.....	Ginn & Co.
Champion Spelling Book, Warren E. Hicks,	American Book Company

TABLE 26.—GRADUATION EXERCISES.**High School.**

The graduation exercises of the high school occurred on Thursday, June 25, in the High School Hall, in the presence of a large audience of parents and friends.

The formal address to graduates was given by Mr. Robert Lincoln O'Brien, editor of the Boston Herald.

At the close of the address the vice-chairman of the School Committee, Thomas M. Clancy, presented diplomas to the 273 members of the graduating class.

Order of Exercises.

George E. Whitaker, Member of the School Committee, presiding.

1. Overture.

High School Orchestra, Raymond Chaffee, Leader

2. Singing.

Chorus "Oh, Italia, Beloved," (from "Lucretia Borgia")

Donizetti

3. Prayer.

Rev. Carl Stackman, Pastor of the First Congregational Church,
Somerville.

4. Singing.

Four-Part song, "I Hear the Soft Note," (from Operetta
"Patience")

Sullivan

5. Address to Graduates.

"The Waiting World."

Mr. Robert Lincoln O'Brien.

Editor Boston Herald.

6. Singing.

Vocal March, "The Football Game."

Koschat

7. Presentation of Diplomas to Girls.

8. Singing.

Four-Part Song, "O Hush Thee, My Babie."

Sullivan

9. Presentation of Diplomas to Boys.

10. Singing.

"Policemen's Chorus" (from Operetta "Pirates")

Sullivan

11. Postlude.

High School Orchestra.

Diplomas will be presented to graduates by Thomas M. Clancy,
Vice-Chairman of School Committee.

Pianist, Miss Mary Ingraham; conductor, Mr. S. Henry Hadley.

Singing under the direction of S. Henry Hadley, Teacher of Music
in the Public Schools.

SOMERVILLE HIGH SCHOOL.**LIST OF GRADUATES**

June, 1914

Josephine Belle Adler	Gladys Nina Evans
Florence Agnes Baldwin	Helen Farnham
Elsie Lillian Bartlett	Mildred Rowena Farquharson
Dorothy May Bean	Mary Gertrude Felix
Edith May Benson	Lena Christine Forbes
Vanessa Louise Blaisdell	Gladys Durrell Fuller
Esther Bertha Bohlin	Gladys Louise Garland
Grace Abbie Boothby	Anne Elizabeth Geddes
Hazel Sophia Borgstrom	Lucy Alderman Geddes
Mildred Isabelle Bowlby	Sadie Golden
Edna Florence Boyd	Hazel May Graham
Ruby Romola Bracy	Melba Adella Graves
Harriett Alice Brittain	Edith Jennett Grimes
Stella Gertrude Bucknam	Lena Elwood Grimes
Pauline Frances Bunker	Ruth Winifred Gunsenhiser
Erminie Melba Burtnett	Frances Eileen Haggens
Florence Luella Campbell	Marie Ingeborge Hansen
Julia Frances Carney	Dorothy Edwards Hayès
Esther Margaret Carr	Alma Marie Hellberg
Bertha Mae Carroll	Hazel Glenn Herrick
Esther Margaret Carroll	Frances Helen Hickey
Dorothea Lois Choate	Florence Mabelle Higgins
Agnes Mary Coakley	Geneva Hiltz
Mary Cecilia Colbert	Mary Warren Holmes
Susan Augusta M. Colgan	Marion Upham Hunt
Irene Rhea Coméau	Lillian Mercer Irving
Dorothy Cook	Marion Elizabeth Irving
Urania Mae Cordeiro	Nellie Geneva Jacques
Grace Louise Cox	Mary Geraldine Jones
Mabel Thayer Cox	Ruth Mildred Jones
Frances Evelyn Coye	Marion Hall Jordan
Phoebe Hooper Crawford	Marjorie Lane Kilgore
Thelma Cummings	Lottie May Kinsman
Emily Isabelle Damery	Thelma Isham Knight
Pauline Elizabeth Danner	Mildred Dorothy Larsen
Helen Clarke Davis	Elizabeth Mary Laurie
Gertrude Mary Dawes	Bertha Irene Lawrence
Addie Gertrude Dean	Edith Hill Leach
Ruah Vivian DeWitt	Marion Jeanette Lindsley
Gladys Judkins DeWolf	Edna Pearl Livingstone
Elizabeth Anna Doherty	Anna Elizabeth M. MacCully
Mabel Mary Donahue	Annie Catherine MacDonald
Marion Josephine Donnelly	Louise Frances Magoon
Anna Gertrude DuBrau	Bernice Mabel Marchant
Iva Mae Dunning	Hazle Helen Marsh
Margaret Durkee	Agnes Mary McCabe
Marion Jeannette Durning	Elizabeth Frances McCarthy

Nellie Frances McCarthy
Helen Agnes McEvoy
Annie Maud McIntyre
Frances Evelyn McLaughlin
Emma Norris McNabb
Marion Kendrik Mead
Eva Florence Melville
Marian Frances L. Menezes
Ruth Elizabeth Mercer
Mary Wheeler Merry
Vera Lurline Mesereau
Gertrude Pitman Milliken
June Mathilde Moody
Marie Abigail Mooney
Vivian Jeanette Morse
Estelle Mabel Munroe
Irma Maude Neiley
Mary Gertrude O'Lalor
Irene Melinda Parker
Alice Mae L. Patterson
Marion Patrician
Bessie Louise Perry
Viola Frances Perry
Ruth Elizabeth Plant
Ruth Whitehead Potter
Helen Greenwood Powers
Bessie Lucile Quimby
Pauline Butler Ray
Leone Agatha Riley
Mary Evangeline Robinson
Doris Rockwell
Dorothy Rockwell
Esther Lucy Rundle
Helen Elizabeth Russell
Elizabeth Tilton Sargent
Esther Isabella Schaefer
Rose Isabelle Schrage
Lucille Marie Sinclair
Marjorie Houston Smith
Helen Dorothy Spofford
Ruth Caroline Sproule
Lucinda Margaret Stevenson
Ruth Rhoda Stone
Helen Nye Taber
Elizabeth Abby Talbot
Ada Catherine Tassinari
Effie Louise Tate
Caroline Edith Taylor
Marion Carritte Thompson
Mildred Hamilton Thompson
Dorinda Winifred Tufts
Mary Esther A. Twigg
Pearl Velma Vroom
Lilly Marguerite Wallace
Frances Ruth Warsowe
Alice Louise Welch
Esther Mildred Wentworth
Grace Henrietta Whitcomb
Christine Isabelle White
Elsa Dorothy Wilde
Eleanor Adelaine Williams
Beatrice Maude Wilson

Olivia Alma Wright
Harold Joseph Anderson
Joseph Winslow Andrews
Joseph Manuel Aronson
Louis Bacher
Edwin Clark Bennett
Norman Stephen Blanchard
Lester Hubert Bridgham
Abraham Bronstein
Paul Turner Budgell
Forrest Ferguson Bursley
Leland Anderson Cahoon
James William Canniff
William Francis Canniff
Clinton Wentworth Carvell
Joseph Mansfield Coleman
Charles Joseph Cruise
Frederick Lowell Davis, Jr.
Raymond David Dearborn
Luke Mardiros Dohanian
Thomas Edward Drea
Eugene William Driscoll
Joseph Harvey Ellis
Emerson Walter Erb
Raymond Leonard L. Ewell
Rogers Eugene Farnham
Thomas Kendrick Forbes
Joseph Peter Fox
Thomas Lawrence Freeman
Herbert Samuel Gaddis
Francis Joseph Gallagher
James Gardner Geddes
Carl Whiting Gifford
Leslie John Glenn
Harry Goldenberg
Hector Bruce Gullion
Philip Thomas Gurhey
Irving Gilmore Hall, Jr.
George Warren Harding
Arthur Austin Harlow
Allan Warren Hasty
Harold Francis Heald
Edward Michael Hession
William Joseph Hession
John Joseph Hoban
William Anton Hochheim, Jr.
Lyman Alpheus Hodgdon
Melvin Wyman Hodgdon
Lester Charles Hollis
Paul Eddy Howland
Clarence Sumner Hunter
James Reddock S. Hyde
Ralph Edward Jones
John Patrick Keating
Thomas Edward Keating
John William Kelly
Leslie Everton Keyes
John Timothy Kiley
John Michael Kirke
Raymon Nathes Landon
Philip Bullard Lewis

Frank William Lincoln, Jr.
 Joshua Samuel Lipkind
 Marino Luciano
 Olvin Garland Lufkin
 Wilfred Christopher Macdonald
 Frank Silver MacGregor
 John Herbert MacIntyre
 Arthur Stomberg Magnusson
 Lloyd Favor Mathews
 Raymond Hillery McAuley
 Eugene Francis McCarthy
 Robert Snow Means
 Herbert Winfield Merrow
 Gordon Fowler Mitchell
 Ronald Roberts Moore
 Thomas James Moore
 John Russell Nason
 Daniel Nichols Pearson
 Clarence Barnard Peck
 Clyde Howard Philbrook
 William Edward Pollock
 Norman Alfred Ray
 John Francis Riordan
 Harold John W. Robertson
 James Earl M. Robertson
 Frank Arna Robinson
 Karl Freeman Rodgers
 Harold Arthur Rogers

George Wilson Rood
 Joseph Holland Rooney
 David Joseph Ryan
 James Conlan Scanlan
 Clifford Wesley Seale
 Roy Merton Simpson
 George Robert Skillin
 Edwin Sleeper
 George Morrison Starbird
 Donald Bartlett Stevens
 Walter Beckwith Stevens
 Howard Bryan Taff
 Chelton Haase Tanger
 Ralph Sheridan Taylor
 Raymon Donle Thiery
 Harold Edwin Thompson
 David Sidney Trench
 Maurice Trustenitzer
 James Henry Walsh
 Harold Curtis Wells
 Sidney Whitaker
 Sumner Kennard Wiley
 Walter Bradford Wiley
 Ralph Lee Wilkinson
 Leslie Merriam Willard
 Joseph Silas Wilmarth
 Benjamin Yavner

TABLE 27.—VOCATIONAL SCHOOL GRADUATES.

Boys' Vocational School, June 26, 1914.

(From the Wood Department)

Frank James Dion	Amerca Henry Garibotto
Carl Peter Hartmann	William Joseph Palmerea
Lester A. McEachern	Walter Edward Pierce
Kenneth Marshall Tebbetts	

(From the Metal Department)

Walter Currie Belyea	Dominick Victor Crovo
John Peter Donnelly	Waldo Gandolfi
Robert Joseph Gerety	William Martin Murphy
Ralph Ellsworth Perkins	John Francis Reilly

Girls' Vocational School, May 28, 1914.

Pauline A. Skilton	Anna Gertrude White
Florence E. Simpson	Anna C. McGahan
Gertrude Reed Luce	Marion F. Fisher
Myrtle Rhea Cross	Agnes Horgan
Helen L. Fiske	Catherine A. Casey
Helen N. Burrell	Caroline M. Walker
Flora E. Stevens	Olga F. Carr
Edith Lillian Cox	Lillian Claire Ahern
Ethel Etta Ring	

GRAMMAR SCHOOL GRADUATES.

Graduation exercises of the grammar schools were held in the several grammar school buildings on Friday, January 23 and Wednesday, June 24. Short addresses, class

singing, and awarding of diplomas constituted the programmes.

FEBRUARY, 1914

Prescott.

Grace Burt
Rosa Craft
Arthur Francis Drake
Mary Agnes Dwyer
Lillias Jeane Durning
Donald Horatio Hathaway
Henry Wilson Herrick

Irene Pauline MacDonald
William James MacDonald
George Dewey Tolman
George Nelson Wagner
Alfred Charles Walker
Mary Elizabeth Wholley

Gertrude Rose Laverty

Knapp.

Maud Evelyn Martin

Pope

Stella Marie Bulger
Eugene Gammon Burns
Florence Margaret Daley
Edna May Deegan
Marion Louise Durkin
Marion E. Gordon
James F. Happeney
Agnes Geraldine Lynch

Thomas Francis Lynch, Jr.
William O'Hara
Clifford D. Purdy
Sophia T. Redmond
Almarinda Eva M. Scigliano
Geraldine Shea
Henry J. Shea
Katherine C. Wallack

Bell

Inez Marion Atwater
Ruth Elna Lillian Berggren
Warren Hersey Bickford
Ralph Murray Binney
Helen Allegra Boyd
Myrtle Marie Bradshaw
Amos Stocker Coates
Laurence Warren Coddling
Helen E. Copithorne
Howard Groom Copithorne
Andrew Huck Corthell
Blanche Eva Erb
Lillian Alice Foote
Frances Adelaide Furlong
Eunice Snow Higgins

Andrew F. MacLaughlin
Grace Catherine Madden
Reginald Ernest Martin
Esther W. Knight Maynard
Robert Joseph Muldoon
Ethel Elizabeth Mullaney
Charles Pierce
Frederick Watson Pierce, Jr.
Aba Rosenbaum
May Wadsworth Rowe
Edith Frances Sheppard
Louise B. M. Stern
Eugene Francis Sullivan
Charles Aston Underhill
Anna Marion Wright

Edgerly

Beatrice Laura Applin
Mabel E. Bannon
Bernard Cornelius Doherty
Dorothy M. Dunning
Maurice Franklin Garrett
Gertrude Armstrong Hincks
Henry H. Kalis
Herman J. Modest
Warren Joseph Ryan

Nina K. Schnare
Arthur Hills Starbird
Lillian Mertie Thomas
Henry J. Tobin
Ruth May Tuttle
Eva Mae Wallace
Joseph L. Weene
Warren A. Wright
Abraham Zorowlow

Glines

Sophia Aronson
Ethel M. Carroll
George A. Chapin
Joseph E. Corkhill
Ralph E. Cowles
Arthur A. Handy
Merton H. Jillson

Leo Fallon Lynch
Helen V. Meredith
George H. Milliken
Arthur T. O'Neil
Marguerite S. Pearson
Louis Weinberg
John Prentiss Weston

Forster

Dorothy Champlin
 Harold L. Coneeny
 Frederic Bartlett Dadmun
 George W. Day
 Frank W. Dinsmore
 E. Francis Gallagher
 Lawrence Emerson Haskins
 Joseph M. Henley
 Ruth Evelina Johnson
 Matthew M. Lipshires
 Royal A. Macnair
 Claire Milliken
 Florence E. Morrison
 Charles Ernest Nash

Percy Clifford Patten
 Philip B. Pitman
 Malcolm F. Pratt
 Edwin Ober Pride
 Gertrude M. Rochussen
 A. Mauritz Russell
 Clara Madeline Smith
 Cora Smith
 Roland Taylor Thayer
 Albion Perry Underhill
 Irene Teresa Walsh
 Ellsworth Loring Wayland
 Rosalie F. Wells
 L. Alice Wyman

Bingham

Vanda R. Cappuccio
 Marjorie Dodge
 George J. Doyle
 Mary E. Filadoro
 John A. Flynn
 Eleanor B. Foubister
 Charles David Frizzell
 Adeline R. Johnson
 Marie Eleanor Kelliher
 Fred John Kiley

C. Albert Landry
 Wilbur Lowe
 Theresa H. Lucas
 Byron Stanley Macdonald
 Mary Theresa McDonough
 James Joseph Powers
 A. Louise Ryan
 Leona M. Sampson
 Albert Louis Sisk

Carr

Arthur Lawrence Bennett
 William C. Bennett
 John B. Carr
 Edwin P. Collins
 Francis C. Dempsey
 Mildred M. Driscoll
 Elsie M. Fales
 Ebba Ruth Holm
 Robert L. Lavache
 Bessie Levison
 Alton H. Livingstone

Myrtle L. Locke
 Edith M. Lynch
 Josephine McCarthy
 Ruth V. McDonnell
 Evelyn M. Marchant
 Mary A. Stanton
 Norman F. Sterling
 Margaret M. Thompson
 Margaret B. Tormey
 Izette H. Trefren

Morse

Wesley J. Brigham
 George Grady
 Reginald N. Holman
 J. Donald Robertson

Rodney H. Shattuck
 Edgar H. Spratlin
 Lawrence F. Sutcliffe
 Tina A. Ravagnin

Brown

Roswell Hayes Baker
 Marjorie Davis Browne
 Eric Eugene Ehrenborg
 Raymon W. Eldridge
 Thomas Addis Emmett
 Marie Louise Hamilton
 John E. Kendall
 Albert Lappin

Frances Louise O'Donnell
 Joseph Francis O'Hern
 Mary G. Palmer
 Edna Irene Parker
 Channing Litchfield Parker
 Mildred Virginia Saunders
 Freda Aldenia Smith

Highland

Parke Dinwiddie Appel
 Eunice Alma Babcock
 Chester Rodman Berg

William Edward Birsh
 John Rudolph Blomberg
 Philip Eugene Bloom

Lloyd Sherman Belyea
 Dorothy Helene Clapp
 Joseph Gleason Crowley
 Harold John Dow
 Ruth Laura Ellis
 Arthur Eugene Esiason
 Evelyn Mae Fales
 Leon Augustus Flagg
 Maria Cecilia Hedlund
 David Henry Hill
 Louis Melbourne Hirshson
 Helen Amina Honnors
 William Russell Kenny
 Doris Evelyn Lambert
 Marion Leahy

Eleanor Beatrice Libby
 Dorcas May MacDonald
 Anthony Matarese
 Arthur Wilson Moffatt
 Anna Louise Petersen
 Wilfred Henry Roberts
 Louis Merry Royal
 Edith Schill
 Leonard Thomas F. Smith
 James Carson Steevés
 Sanford George West
 Harold Bertram Wilson
 Charles Gordon Wood
 George Adrian Wood
 George Felton Young

Hodgkins

Herbert Cecil Darrah
 Ernest Johnson
 Charles Henry McElroy

Maurice Charles Pollard
 Marion Katharine Terry
 Isadore Waranow

Cutler

George Watson Coaker
 Lawrence H. Cook
 Chester Arthur Moore
 Elizabeth M. Baxter
 Anna W. Coaker

Margaret Olive Fenton
 Florence Edna McLaughlin
 Margaret D. Symonds
 Marion Louise Warren
 Ruth Edna Warren

GRAMMAR SCHOOL GRADUATES

JUNE, 1914

Prescott

Marguerite M. Arnold
 Andrew Walls Baker
 Grace I. Beeden
 William Herbert Bingham
 Hazel May Blakney
 Ruth E. Boothby
 William Benedict Bradley
 Joseph William Cobb
 Corinne Florence Corey
 Burton R. Coughlan
 Hollis Heath Coyle
 Herbert R. Densmore
 Robert William Doherty
 Austin Francis Early
 Robert James Flanagan
 Helen A. Gray
 Thelma S. Gray
 Reina Prichard Hadley
 Marion I. Harmon
 Dorothea Alice Herlihy
 Florence Veronica Higgins
 Vera Lavina Hunnewell
 Leon Thayer Hutchins
 Ernest Sydney Johnson
 Joanna M. Johnson

Lester Irving Knapp
 William J. Lewis
 Blanche Helen Mills
 William Howes Moore
 James Granville Morrison, Jr.
 Woodworth Northey Murray
 Louise Margaret Nicholl
 Sarah A. Noyce
 Cornelius F. O'Leary
 Thomas E. Plummer
 Andrew J. Powers
 William Hartwell Prindall
 Charles Edward Reinold
 Ethel Florence Rudd
 Florence Elizabeth Rutland
 Charles M. Sliney
 Gladys V. Spring
 Florence A. Stokes
 Nellie Taylor
 Frederick J. Tiernan
 May Traynor
 Reginald Flockton Wakefield
 Ellen Margaret Whelan
 Arthur William White

Knapp

Blanche Andelman
 Samuel H. Andelman

Blanche Mildred Baker
 Martha Catherine Boggs

Agnes Helen Blood
 Estelle Corinne Bowman
 Thomas H. Boyd
 Ernest Otter Branson
 Albert R. Cameron
 Raymond J. Capodano
 Bernard Samuel Chernoff
 Albert T. Cotter
 Joseph H. Crocker
 Joseph Cullinane
 Mary Louise Cullinane
 Joseph S. DiFazio
 Helena A. Dillon
 George Jefferson Donahue
 Arthur Theodore Evenson
 Joseph S. Ferris
 Ruth Josephine Fitzpatrick
 Mary Beatrice Gaudet
 Mary Katherine Grue
 Eleazer George Gullage
 James Wallace Harvey
 William P. Havican
 Leo Havican
 John Paul Hartnett
 Frank J. Hastings
 Henry Lawrence Hayes

Thomas W. Bowe
 Arthur L. Cushing
 John T. Doherty
 Sidney F. Dorman
 Ella Foley
 William H. Gerety
 Marguerite P. Giles
 Christina Gray
 Mark Duane Hopkins
 Leo Kelley
 Moses Lipkind
 Margaret E. Manning
 Margaret L. McLaughlin
 Ralph H. McQuinn
 Louis M. Molan
 George H. Norton

Ralph Earl Bancroft
 Emily Evangeline Bennett
 Lyman Rice Brown
 Annie Elizabeth Campbell
 Grace Mary Clarke
 Gertrude Emily Colwill
 Raymond Lewis Crowell
 John George Donovan, Jr.
 Lawrence Thomas Fitzgerald
 Anna Fulton
 Daniel Gaffey
 Helen Catherine Gaffey
 Helen Gallagher
 Donald Porter Geddes
 Everett Woodworth Goss
 Elsie May Gosse
 William Thomas Hamilton

William Holmes
 Florence May Jenkins
 Frank Albert Korman
 Anna Gladys Leal
 Margaret C. McKinnon
 Maurice Christopher Mulcahey
 Kathryn Agnes Murray
 Anna May Quinn
 Charles E. E. Reed
 Joseph Edward Reynolds
 M. Pauline Rogers
 Pauline E. Rowe
 Ada Gertrude Sanders
 Jane K. Sandin
 Irene M. Sheehy
 Christopher V. Sloane
 Marguerite Mary Smith
 Theresa H. Steidle
 James Henry Stevenson
 Agnes A. Sullivan
 John Patrick Sullivan
 Richard T. Sullivan
 William H. Walsh
 Charles Joseph Ward
 Leonard Watson
 Grace E. Young

Pope

George G. Oberbeck
 John G. O'Brien
 Andrew M. O'Callahan
 Lena Pierce
 William J. Ryan
 Catherine Mary Scanlan
 Harry K. Selvage
 Edward H. Smith
 John J. Smith
 James N. Trefry
 Cora Ruth Twigg
 Elizabeth J. Van Ummersen
 Jennie Freada Wagner
 John J. Wilson
 Myer Yavner

Bell

Blanche Willis Harding
 George Henry Hill, Jr.
 Dorothy Maud Hunt
 Anna Agnes Kelly
 Francis James Lapan
 Gladys Ellen Leavitt
 Goldie Virginia Lewis
 Francis Lynch
 Ralph Edgar Martin
 Marjory Maxwell
 Bernard Howard McLaughlin
 Evelyn Frances Mooney
 Dorothy Robbins Northrup
 Helen May Nugent
 Harold James Perkins
 Winona Maxime Roberts
 Gladys Olive Sargent

Edna May Scriven
Walter Sharkey
Rachel Skinner
Arthur Cleveland Towne

Thomas Everett Van Iderstine
Mildred Lizzie Vorce
Elizabeth Agnes Walsh
Mary Walsh

Edgerly

George W. Bell
Francis M. Benson
Lester C. Blood
Margaret C. Campbell
Loraine K. Charlesworth
Ralph F. Curtis
Frank S. Dunn
Annie L. Fiske
Jeanette Friedman
Thelma G. Fuller
Marjorie Gustin
Dorothy K. Hastings
James Henderson
Mildred L. Henriques
Roger W. Hodgdon
Walter E. Johnson
Cecile MacDonald
Beatrice V. Maher
Catherine J. C. Mahoney
Katherine F. Mahoney
Fred W. March
Ernest W. Martin
George F. Miller
Christine E. Murphy

Gertrude I. Nutt
Marjorie E. Partridge
Elmer U. Perkins
Marion L. Reardon
Stanley L. Reynolds
F. Olive Richardson
Harold V. Robbins
Helen G. Robbins
Ralph E. Rollins
Gilman H. Ross
John J. Schofield
Eva G. Senter
Harrie W. Seymour
Francis J. Stetfield
Thomas R. Tuttle
Inez J. Varney
Everett A. Walker
Grant E. Wallace
Eva J. Westlund
Frederick H. Wilson
Mary E. P. Wright
Nellie E. Wyatt
Clayton C. Westlund

Glines

Frank Arthur Brisson
Marion Elizabeth Brown
Jennie A. Cosolito
Florence L. Dennis
John D. Donnelly
Willis Herbert Farnum
Lena Jefferson
Bessie S. Manuel

P. Frank Mulcahy
Mary B. O'Shaughnessey
Joseph Charles Palmer, Jr.
Gertrude L. Pfaff
Edith Hammond Pray
Dionysius J. Riordan
Victor John Sampiana

Forster

J. Erwin Allen
Nilda C. Anderson
Doris Atwood
Thelma M. Bump
Helen E. Calhoun
Philip W. Card
Byron F. Daniels
Asa C. Deming
Allan R. Dixon
Arthur Donnelly
Harold A. Ells
Bessie R. Fielding
Leonard B. Gage
Ella M. Gerrior
Eleanor Hall
Frances E. Hicks
Francis J. Houlihan
Thomas Hubbard
Marie L. Heughins

Edith Y. Jones
John D. Kelley
Gordon L. Kidder
Gertrude M. Lyons
Edmund Maloney
Earl R. March
Edna J. Martin
Gertrude E. McFarlane
Angus B. McLean
Beulah M. Newell
Myrtle F. Nickerson
Mildred G. Pestell
Louise M. Pitcher
Joseph Reardon
Edward L. Rochussen
Dorothy H. Tarbox
Ruth C. Trefry
Marion R. Willoughby
Doris Yeaton

Bingham

Dwight S. Banks
 Grace M. Brine
 Eldred F. Cheney
 Grace M. Donahue
 Herbert Donahue
 Angelena Felix
 Mary Filippone
 Bert F. Fuller
 Ruth Helen Hallion
 George Henry Jackson
 Margaret C. Keefe
 Francis M. Kelleher
 Alice M. Kiliotaitis
 Alice Luciano
 Mary G. McCarthy
 Thomas J. McGoldrick

Dorothy R. Morris
 Hazel E. Morris
 Catherine C. Murley
 Margaret Murphy
 Margaret E. Norander
 Elizabeth A. O'Brien
 Eleanor O'Lalor
 Josephine A. O'Neil
 Dorothea M. Rohwedder
 Vernon Edward Sanford
 Zenas Minard Sanford
 Alice Shea
 Catherine M. Sullivan
 Mary G. Sweeney
 Philip P. Welch
 Madeline Mary Williams

Carr

Eveline C. Boudreau
 John P. Brennan
 Katherine A. Buckley
 William J. Buckley
 M. Martha Cotter
 Emma Loretta Donahue
 Madeline M. Donahue
 Mary C. Driscoll
 James Dunleavy
 E. Marsh Edgerton
 W. Harris Eigabroadt
 Harold J. Fuller
 Louis V. Govang
 Theresa Frances Heavern
 Richard A. Hines
 George W. Invernizzi
 Carl E. Johanson
 Ethel C. Johnson
 James William McAvoy
 Thomas F. Mackey

Joseph Anthony McCarthy
 Edward McGrath
 Thomas C. Magurn
 James Paul Motherway
 John E. Motherway
 Robert W. Newton
 Delfina Parenti
 Florence C. Plummer
 Homer F. Prior
 Loretta C. Reidy
 Michael Sainato
 Frances Elizabeth St. John
 Nicholas Stellatti
 Daniel O'Sullivan
 Sarah C. Sullivan
 Ludwig E. Weckbacher
 Ethel I. Wilson
 Robert E. Wilson
 Frank A. Rowell

Morse

Daniel J. Begley
 Oldna E. Bernier
 Helen D. Bertacchini
 Carl H. Brown
 Mary A. Campbell
 Helen I. Dates
 Catherine Di Benedetto
 Charles Albert Fortunati
 Agnes B. Gaddis
 Francis J. Gallagher
 Ruth E. Gibby
 Russell F. Greenough
 Hilda Winifred Grow
 Richard M. Guilderson
 Hilda A. Hasselgren

David H. Hill
 Eleanor Beatrice Hogg
 Edward H. Hunter
 Anna F. Kuhn
 Ruth L. Lavers
 Russell V. B. Nye
 Grace M. O'Brien
 Leander W. Perron
 Dorothy Elizabeth Reid
 Elsie E. Schoenle
 Pauline A. Schoenle
 Dorothy D. Thorne
 Marion L. Waugh
 F. Gladys Whitcomb

Brown

Sabina Mary Atkinson
 Edward Wesley Baker
 Gladys Elizabeth Booker
 Lillian R. Boucher
 Gladys Egleston Burritt
 Priscilla Frances Calder

Arthur Larence Craig
 Frances Louise Crooker
 Learned Russell Cutter
 Dorothy Grace Currie
 Dorothy Anna Deacon
 Gladys Marie Elliott

Sarah Isabel Fudge
 Arthur Printon Hanlon
 Redmond Joseph Hanlon
 Harry W. Higgins
 Roy Clark Keddy
 Anna H. Kendall
 Ruby Alberta Loth
 Edward Anton May
 Hyland Edward Merritt
 Marion Achsah Morris

Stanley Wade Munsey
 Alice Winship Peters
 Hermine K. Price
 William B. Rodway
 Christine Anna Schelbach
 Freda Mae Seavey
 James Willard Shackley
 Ruth M. Skilton
 Richard B. Taylor
 Mary Walsh

Highland

Louis Earl Bean
 Ellsworth Kinsman Blois
 Dorothy Crocker Blood
 John Edgar Brundige
 Vida Dorothy Burhart
 Marian Olive Burton
 John Albert Campbell
 Earl Spickett Clark
 Alexander Joseph Downing
 Grace Adelaide Downs
 Raymond Robert Elliott
 John Fadden
 Rolf Francis Farstad
 Pauline Augusta Fellows
 Paul Tarpy Hanlon
 William Franklin Hayes
 Edith Isabell Henderson
 Perley DeFlournne Henderson
 Hazel Winifred Hewitt
 Rebecca Osborne Hopkins
 Evelyn Ayer Horsman
 Agnes Gertrude Kelley
 Mary Edna Kennedy
 Esther Bates Lacount
 Edward Kellogg Macdonald

Grace Mack
 William Wellington Mackay
 Raymond Leon MacLeod
 Beatrice Evelyn Marston
 Anna Grace McAuley
 Jennie Belle Moore
 Lester Burnham Murrell
 Norman Justin Paasché
 Bernard John Paté
 Mildred Pinkham
 Dorothy May Porter
 Lucille Mae Prior
 Freeman Merwin Rand
 Norma Erna Rasquin
 Gladys Marguerite Rhodes
 Marjorie Mae Risdon
 Frederick Lewis Rufer
 William Everett Rundlett
 Beatrice May Savage
 Frederick Schill
 Dorothy Charlotte Small
 Ethel May Smith
 Alvin John Stevens
 Marion Anatasia Stubbs
 Helen Wadmun

Hodgkins

Louise A. Bertwell
 Dorothy M. Babcock
 Arleine F. Blake
 Helen M. Dawson
 Donald R. Davison
 Rena E. Falorny
 Walter I. Jones
 Marion L. Lantz
 Philip Sherman
 Marshall M. Smith

Hazel M. Blood
 Cornelius T. Begley
 Gladys M. Chute
 Mildred Dakin
 John E. Ellis
 Olive E. Corрил
 Eunice Pauline Jones
 Elaine D. Olsen
 Edward Short Trefren
 Alice L. Wallace

Cutler

Charles R. Brown
 Gordon C. Brown
 Albert D. Carlson
 Robert Brown Durkee
 Herbert G. Gordon
 Walter L. Hatch
 Harold Jackson
 Albert F. Kenney
 William R. Lawrence
 Robert L. Murphy
 Frederick W. Noyes
 Charles Edward Prest
 Charles B. Soper

Elsie Christine Anderson
 Florence Bradford Barker
 Elsie May Bowker
 Ruth Earle
 Katherine M. Fitzgerald
 Beunice C. Hamilton
 Cora Helen Hodgkins
 Gladys Ethelyn Merrill
 Helen Neal
 Margaret Neal
 Mildred Ennis Skaling
 Elizabeth Dorothy Tay
 U. Aileen Wright

TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1915.

School Committee.

GEORGE E. WHITAKER	.	.	.	.	.	.	.	Chairman
CLARENCE W. WILLIAMS	.	.	.	.	.	.	.	Vice-Chairman

Members.**EX-OFFICIIS.**Term expires
January.

ZEBEDEE E. CLIFF, Mayor,	29 Powder House terrace	1916
WILLIAM P. FRENCH, President Board of Aldermen,	13 Thorndike street	1916

WARD ONE.

MRS. MARY G. WHITING,	Hotel Wadsworth	1916
THOMAS A. KELLEY,	39 Pennsylvania avenue	1917

WARD TWO.

DANIEL H. BRADLEY,	19 Concord avenue	1916
CHRISTOPHER MULDOON, JR.	88 Concord avenue	1917

WARD THREE.

GEORGE E. WHITAKER,	75 Walnut street	1916
ALBERT C. ASHTON,	33 Columbus avenue	1917

WARD FOUR.

HARRY A. STONE,	254 Broadway	1916
FRANK H. HOLMES	22 Walter street	1917

WARD FIVE.

HARRY M. STOODLEY	283 Highland avenue	1916
MRS. JULIA R. ALDRICH	262 School street	1917

WARD SIX.

GUY E. HEALEY,	34 Benton road	1916
MRS. MARY R. BREWER,	170 Summer street	1917

WARD SEVEN.

CLARENCE W. WILLIAMS,	205 Morrison avenue	1916
HERBERT CHOLERTON,	94 College avenue	1917

Superintendent of Schools.

CHARLES S. CLARK.

Office: City Hall Annex, Highland avenue.

Residence: 82 Munroe street.

The Superintendent's office will be open on school days from 8 to 5; Saturdays, 8 to 10. His office hours are from 4 to 5 on school days, and 8 to 9 on Saturdays.

Office telephone, 314; house telephone, 12.

Superintendent's office force:—

Justin W. Lovett, 29 Cambria street.

Mary A. Clark, 42 Highland avenue.

Mildred A. Merrill, 26 Cambria street.

Board Meetings.

January 25.	April 26.	September 27.	December 24.
February 22.	May 31.	October 25.	December 31.
March 29.	June 28.	November 29.	
		8.15 o'clock.	

TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1915.

Concluded.

STANDING COMMITTEES, 1915.

Note.—The member first named is chairman; the one second named is vice-chairman.

District I.—Mrs. Whiting, Kelley, Muldoon.

PRESCOTT, HANSCOM, BENNETT.

District II.—Bradley, Muldoon, Kelley.

KNAPP, PERRY, BAXTER.

District III.—Whitaker, Ashton, Mrs. Whiting.

POPE, BELL, CUMMINGS.

District IV.—Stone, Holmes, Aldrich.

EDGERLY, GLINES.

District V.—Stoodley, Aldrich, Stone.

FORSTER, BINGHAM.

District VI.—Healey, Mrs. Brewer, Stoodley.

CARR, MORSE, PROCTOR, DURELL, BURNS, BROWN.

District VII. Williams, Cholerton, Healey.

HIGHLAND, HODGKINS, CUTLER, LINCOLN, LOWE.

High School—Bradley, Cholerton, Kelley, Ashton, Holmes, Stoodley, Mrs. Brewer.

Finance.—Ashton, Bradley, Kelley, Stone, Stoodley, Healey, Williams, Cliff, French.

Text-books and Courses of Study.—Healey, Cholerton, Mrs. Whiting, Muldoon, Whitaker, Stone, Mrs. Aldrich.

Industrial Education.—Williams, Ashton, Mrs. Whiting, Bradley, Holmes, Stoodley, Healey.

School Accommodations.—Stone, Williams, Mrs. Whiting, Muldoon, Ashton, Mrs. Aldrich, Mrs. Brewer, Cliff, French.

Teachers.—Cholerton, Bradley, Whitaker, Stone, Mrs. Brewer.

Playgrounds and School Hygiene.—Mrs. Whiting, Mrs. Brewer, Muldoon, Holmes, Mrs. Aldrich.

Rules and Regulations.—Kelley, Healey, Whitaker.

TABLE 29.—TEACHERS IN SERVICE JANUARY, 1915.

NAME AND RESIDENCE.	Salary.	Began Service.
HIGH SCHOOL.		
Central Hill.		
JOHN A. AVERY, Head Master, 22 Dartmouth Street	\$3,200	1895
Everett W. Tuttle, Master, 62 Highland Avenue	2,250	1895
Frank M. Hawes, Master, 257 School Street	2,000	1879
Frank H. Wilkins, Master, 14 Heath Street	1,800	1906
Roy W. Hatch, Master, West Medford	1,800	1909
John L. Hayward, Master, 242 School Street	1,800	1913
Harry F. Sears, Master, Melrose Highlands	1,800	1901
Howard W. Poor, Sub-Master, 27 Mt. Vernon Street, Reading	1,700	1896
George M. Hosmer, Sub-Master, 13 Arlington Street	1,700	1901
William W. Obear, Sub-Master, 86 Belmont Street	1,700	1906
Laurence A. Sprague, Sub-Master, West Newton	1,700	1906
John M. Jaynes, Sub-Master, 29 Putnam Street	1,700	1901
John M. Nichols, 41-A Brent Street, Dorchester	1,700	1913
Guy C. Blodgett, Sub-Master, 92 Belmont Street	1,600	1910
Walter I. Chapman, Sub-Master, 18 Central Street	1,600	1911
Albert W. Hopson, Sub-Master, 66 Hudson Street	1,200	1914
Augustus B. Tripp, Junior Sub-Master, 67 Wallace Street	1,250	1909
S. Thomas Hall, Junior Sub-Master, 62 Highland Avenue	1,200	1910
Clarance L. Foster, Junior Sub-Master, 25 Gibbens Street	1,200	1911
Stephen H. Mahoney, Junior Sub-Master, 16 Parker Street	1,000	1914
Lester W. Dearborn, Assistant, 61 Lowden Avenue	1,000	1914
Joseph I. Horton, Assistant, Cambridge	1,000	1914
George E. Pearson, Assistant, 325 Highland Avenue	1,000	1914
A. Marion Merrill, Assistant, 24 Central Road	1,200	1895
Frances W. Kaan, Assistant, 133 Central Street	1,200	1882
Helen L. Follansbee, Assistant, 40 Vinal Avenue	1,200	1900
Mrs. Lena Gilbert, Assistant, 51 Elmwood Street	1,000	1892
Harriet E. Tuell, Assistant, 40 Vinal Avenue	1,000	1899
Elizabeth Campbell, Assistant, 15 Pleasant Avenue	1,000	1902
A. Laura Batt, Assistant, 24 Central Road	1,000	1895
M. Helen Teele, Assistant, 11 Jason Street, Arlington	1,000	1895
Clara A. Johnson, Assistant, 177 Central Street	1,000	1897
Elizabeth H. Hunt, Assistant, 121 St. Stephen Street, Boston	1,000	1908
Mabel G. Curtis, Assistant, Cambridge	1,000	1903
*Anna Pushee, Assistant, 10 Harvard Place	1,000	1904
Blanche S. Bradford, Assistant, 161 Summer Street	1,000	1903
Grace E. W. Sprague, Assistant, Cambridge	1,000	1908
Mrs. Lucy I. Topliff, Assistant, 57 Cypress Street, Brookline	1,000	1914
Eudora Morey, Assistant, Boston	900	1874
Ella D. Gray, Assistant, 147 Walnut Street	900	1901
Ruth Tousey, Assistant, 106 Professors Row	900	1904
Bessie L. Forbes, Assistant, 92 Orchard Street	900	1899
Bertha A. Raymond, Assistant, 26 Gibbens Street	900	1900
F. Gertrude Perkins, Assistant, 67 Thurston Street	900	1906
Mabel Butman, Assistant, 49 Boston Street	900	1906
Grace Gatchell, Assistant, 49 Vinal Avenue	900	1906
A. Marguerite Browne, Assistant, Cambridge	900	1908
Edith L. Hurd, Assistant, 125 Central Street	900	1910
Nancy B. Kimball, Assistant, Malden	900	1910
Julia T. Connor, Assistant, 59 Church Street	900	1910
Esther Parmenter, Assistant, 26 Marathon Street, Arlington	900	1911
Charlotte A. Norton, Assistant, 5 Gorham Street	900	1914
Annie C. Woodward, Assistant, 150 School Street	900	1906
Alice A. Todd, Assistant, 82 Munroe Street	900	1913
Hattie M. Baker, Assistant, 70 Pearson Avenue	850	1911
Mary F. Osborne, Assistant, 67 Boston Street	850	1911
Ella W. Bowker, Assistant, 2 Hillside Avenue	850	1911
Mrs. Ellen A. Patten, Assistant, Cambridge	850	1913
Florence L. McAllister, Assistant, 23 Wallace Street	850	1913

* Leave of absence.

TABLE 29.—Teachers in Service January, 1915.—Continued.

NAME AND RESIDENCE.	Salary.	Began Service.
Louise B. Hovle, Assistant, 124 Summer Street	850	1913
Marjorie L. Henry, Assistant, 62 Clark Road, Brookline	850	1914
M. Belle Preston, Assistant, 84 Packard Avenue	850	1914
Edith R. Macurdy, Assistant, Watertown	800	1911
Gladys S. Jennison, Assistant, 28 Vinal Avenue	800	1913
Edward N. White, Laboratory Assistant, Wellesley Hills	800	1912
Laura R. Cunningham, Assistant, 62 Highland Avenue	800	1914
Ruth A. Davis, Assistant, 11 Dartmouth Street	800	1914
Mary L. Johnston, Assistant, 5 Oakland Avenue	800	1914
Julia A. Haley, Assistant, 88 Prospect Street	800	1913
Lillian B. Treadwell, Assistant, 68 Ossipee Road	800	1914
Ilene C. Ritchie, 17 Willoughby Street	800	1912
Marion F. Orne, Assistant, 43 Fairmount Avenue	750	1912
Ruth E. Low, Assistant, Reading	750	1913
Helen J. Coffin, Assistant, 10 Rosedale Street, Dochester	750	1913
Helen F. Lyon, Assistant, 392 Broadway	600	1914
Mabel Williams, Librarian, 9 Aldersey Street	400	1914
Mabell M. Ham, Clerk, 41 Boston Street	800	1906

TABLE 29.—Teachers in Service January, 1915.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
(WILLIAM H.) PRESCOTT SCHOOL.			
Pearl and Myrtle Streets.			
9.	SAMUEL A. JOHNSON, Master, 83 Thurston Street	\$1,900	1893
9.	Elizabeth M. Warren, 46 Vinal Avenue	875	1897
8.	Mary L. Norton, 20 Watts Street, Malden	775	1914
8.	Sarah H. Christie, 96 Glen Street	750	1914
8, 7.	Edyth M. Grimshaw, Readville	800	1909
7.	Euphemia K. Potts, 13 Langmaid Avenue	750	1913
6.	Mary L. Abbott, 32 Alaska Street, Roxbury	800	1910
6.	Edith L. Laycock, 43 Franklin Street	700	1913
5.	Angie M. MacRitchie, Concord Junction	800	1912
4.	Clara Taylor, 36 Flint Street	800	1871
3.	Elizabeth L. Marvin, 17 Summit Street	800	1898
2.	Louise E. Pratt, 26 Glen Street	800	1889
1.	A. Louise Bean, 9 Hamlet Street	800	1904
Asst.	Mildred Archibald, 21 Warner Street	200	1914
SANFORD HANSCOM SCHOOL.			
Webster and Rush Streets.			
4.	ELIZABETH M. COLLINS, Principal, 2 Madison Street	\$1,500	1901
Asst.	Mrs. Agness M. Travis, Winthrop Highlands	850	1903
4.	Carrie M. Frost, 27 Winter Street, Arlington	800	1912
4.	Frances E. Robinson, 67 Perkins Street	800	1903
3.	Marion A. Viets, 49 Vinal Avenue	750	1912
3.	Jennie M. Twiss, 67 Berkeley Street	800	1903
3, 2.	Mrs. Nellie W. McPheters, 66 Avon Street	650	1914
2.	Maude A. Nichols, 15 Pleasant Avenue	800	1906
2.	Martha L. Littlefield, 65 Glen Street	800	1897
1.	Mary J. Dewire, 334 Washington Street	450	1913
1.	Alice M. Saben, Arlington	700	1903
1.	Florence M. Shaw, 77 Berkeley Street	525	1909
Asst.	Ada V. Dolan, 42 Medford Street, Medford	200	1914
Kind'n.	Elizabeth J. Baker, 49 Vinal Avenue	700	1907
Asst.	Frances L. McGann, 45 Putnam Street	350	1914
VOCATIONAL SCHOOL FOR BOYS (Day).			
Davis Bldg., Tufts Street.			
	Harry L. Jones, Principal, 137 Powder House Boulevard	\$1,800	1914
	Charles A. Kirkpatrick, 27 Sewall Street	1,050	1913
	Nehemiah E. Gillespie, 28 E. Brookline Street, Boston	1,100	1911
	Francis A. Ryan, Canton, Mass.	900	1914
	Fred P. Carter, 43 Auburn Avenue	1,000	1913
	Arthur E. Gordon, 59 Elm Street	1 000	1914
CLARK BENNETT SCHOOL.			
Poplar and Maple Streets.			
6, 5.	ELIZABETH M. COLLINS, Principal, 2 Madison Street		1912
Asst.	Kate B. Gifford, 8 Aldersey Street	\$850	1902
5, 4.	S. Ellen Brown, 8 Aldersey Street	700	1913
4, 3.	Mrs. Nettie L. Fay, 12 Grand View Avenue	800	1901
3.	Nellie F. Eaton, 15 Pleasant Avenue	800	1906
3, 2.	Isadore E. Taylor, 36 Flint Street	800	1883
2.	Eleanor W. Nolan, 13 Pleasant Avenue	800	1909
1.	Alice M. Hayes, 21 Highland Avenue	700	1913
1.	Mary L. Gallagher, 19 Beacon Place	450	1913
1.	Mrs. Cora B. Gowen, 50 Vinal Avenue	800	1906
Kind'n.	Caroline G. Baker, 40 Benton Road	700	1896
Asst.	Helen Harrington, 23 Hurlburt Street, Cambridge	425	1912
Ungraded	Sarah H. Sweeney, Roxbury	600	1913
Non-Eng.	Lillias T. Lawton, Dorchester	600	1913

TABLE 29.—Teachers in Service January, 1915.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
GEORGE L. BAXTER SCHOOL.			
Bolton Street.			
5.	MARY G. BLACKWELL, Principal, 45 Ibbetson Street	\$875	1900
4.	Etta R. Holden, 14 Sanborn Avenue	800	1908
3, 2.	Julia A. Mahoney, 16 Parker Street	800	1904
2.	Sue A. Fitzpatrick, 451-A Somerville Avenue	700	1912
1.	Maria D. McLeod, 1 Highland Park, Cambridgeport	800	1906
Kind'n.	Eleanor A. Connor, 59 Church Street	700	1903
Asst.	Martha W. Delay, 48 Beacon Street	475	1911
OREN S. KNAPP SCHOOL.			
Concord Avenue.			
9.	JOHN SHERBURN EMERSON, Master, 3 Preston Road	\$1,900	1894
9.	Clara M. Burns, 620 Main Street, Malden	875	1914
9, 8.	Bessie N. Page, 106 Summer Street	825	1911
8.	Nellie Theresa McCarthy, Woburn	800	1909
8.	Minnie A. Holden, 14 Sanborn Avenue	800	1906
7.	Clara B. Parkhurst, 22 Highland Avenue	800	1889
7.	Clara B. Sackett, 91 Summer Street	800	1891
6.	Edith Hersey, 154 Washington Avenue, Chelsea	800	1899
6.	Florence M. Hopkins, 65 Chandler Street	800	1907
6.	Nona E. Blackwell, 45 Ibbetson Street	750	1906
4.	Annie E. Robinson, 31 Warren Avenue	800	1876
3.	Olivia H. Norcross, Wilmington	750	1914
2.	Minnie Alice Perry, 21 Summit Avenue	800	1891
1.	M. Edith Callahan, Woburn	800	1911
ALBION A. PERRY SCHOOL.			
Washington Street, near Dane Street.			
6.	CATHERINE E. SWEENEY, Principal, 633 Broadway	\$875	1901
5.	Mary A. Mullin, 27 Shawmut Street	750	1910
4.	Irene Vincent, 47 Vinal Avenue	800	1903
3.	L. Gertrude Allen, 230 Washington Street	800	1884
2.	Grace R. O'Neil, 347 Washington Street	600	1913
1.	Mrs. Sarah E. Murphy, 21 Fountain Avenue	800	1906
CHARLES G. POPE SCHOOL.			
Washington and Boston Streets.			
9.	GEORGE M. WADSWORTH, Master, Whitman	\$1,900	1891
9.	Florence A. Chaney, 56 Boston Street	950	1892
9, 8.	Alice I. Norcross, 90 Russell Avenue, Watertown	825	1885
8.	Harriet M. Clark, 10 Vernon Street, West Medford	800	1893
7.	Mrs. Blanche G. North, 103 Kidder Avenue	800	1893
7.	M. Abbie Tarbett, 11 Washington Street, Stoneham	800	1906
6.	Emma J. Kennedy, 9 Pleasant Avenue	800	1912
6.	Edith L. French, 17 Aldersey Street	750	1912
5.	Lizzie W. Parkhurst, 22 Highland Avenue	800	1885
4, 3.	Annie G. Sheridan, 84 Prospect Street	800	1886
3, 2.	M. Katherine Davis, 11 Harvard Place	800	1904
2, 1.	Florence E. Locke, 9 Prospect Hill Avenue	800	1899
1.	Alice B. Frye, 131 Buckman Street, Everett	800	1904

TABLE 29.—Teachers in Service January, 1915.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
LUTHER V. BELL SCHOOL.			
Vinal Avenue.			
9.	GEORGE M. WADSWORTH, Master, Whitman		1912
9.	Alice L. Davis, 40 Vinal Avenue	\$950	1895
9, 8.	Rena S. Hezelton, 26 Cambria Street	825	1909
8.	Esther L. Small, 17 Pleasant Avenue	750	1914
7.	Eva R. Barton, Stoneham	800	1904
7, 6.	Ada G. Macdonald, 308 Commonwealth Avenue, Boston	700	1914
6.	Mrs. Mabel T. Totman, 17 Pleasant Avenue	800	1893
6, 6.	Lillian E. Haskell, 41 Putnam Street	750	1913
5.	Ella H. Bucknam, 8 Aldersey Street	800	1897
5, 4.	Julia A. Simmons, 11 East Newton Street, Boston	800	1911
4, 3.	M. Eunice Young, Winchester	800	1912
(JOHN A.) CUMMINGS SCHOOL.			
School Street, near Highland Avenue.			
	GEORGE M. WADSWORTH, Master, Whitman		1912
3.	FANNIE L. GWYNNE, Principal, 65 School Street	\$850	1886
2.	Angeline Cann, Hotel Woodbridge	800	1897
2, 1.	Elizabeth L. Hersey, 96 Oxford Street	800	1896
1.	Mrs. Stella M. Hadley, 11 Greene Street	650	1914
Asst.	Pearl I. Hart, 85 Ossipee Road	200	1914
(JOHN G.) EDGERLY SCHOOL.			
Cross and Bonair Streets.			
9.	CHARLES E. BRAINARD, Master, 82 Munroe Street	\$1,900	1889
9.	M. Eva Warren, 26 Everett Avenue	875	1906
9, 8.	Annie L. Dimpsey, Hotel Woodbridge	825	1891
8.	Mary E. Richardson, 43 Franklin Street	800	1893
7.	Mabel C. Mansfield, 43 Franklin Street	800	1893
7.	Isabelle M. Gray, 23 Webster Street	800	1897
6.	Edith M. Snell, 4 Vine Street, Melrose	800	1900
6, 5.	G. Hortense Pentecost, 154 Walnut Street	800	1905
5.	Sophia C. Mague, Auburndale	700	1913
5, 4.	J. Louise Smith, 196 Washington Street, Lynn	800	1896
3.	Lillian Nealley, 109 Glen Street	800	1882
2.	Alice W. Cunningham, 62 Highland Avenue	800	1901
1.	Martha M. Power, 37 Gleason Street, West Medford	800	1890
JACOB T. GLINES SCHOOL.			
Jaques Street, near Grant Street.			
9.	MARY E. NORTHUP, Master, 9 Forster Street	\$1,900	1878
9.	Mary E. Stiles, 9 Forster Street	875	1883
9.	Lilla M. Marble, 85 Heath Street	800	1902
8.	L. Alice Grady, 85 Heath Street	800	1912
7.	Louise V. Richardson, 73 Adams Street	800	1907
7, 6.	Ellen A. Boynton, 82 Thurston Street	800	1891
6.	Margaret A. Orr, 15 Blagden Street, Boston	800	1890
5, 4.	Mary A. Goddard, 9 Winter Hill Circle	800	1893
4.	Mrs. Carrie Armitage, 57 Madison Street	800	1899
3.	Florence E. Baxter, 49 Hudson Street	800	1891
3, 2.	Anna G. Welch, 22 Fenwick Street	800	1897
2.	Edith M. Dow, 2 Pleasant Avenue	550	1914
2, 1.	Leslie Caverly, 210 Washington Avenue, Chelsea	800	1908
1.	Isabel J. Tift, 37 Madison Street	800	1892
Kind'n.	Mrs. Etta D. Ellsworth, Trinity Court, Boston	700	1897
Asst.	Ida M. Kane, 28 Fellsway West	525	1905

TABLE 29.—Teachers in Service January, 1915.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
(CHARLES) FORSTER SCHOOL.			
Sycamore Street and Evergreen Avenue.			
	JOSEPH A. EWART, Master, 85 Bartlett Street	\$1,900	1913
	Irene S. Nightingale, 12 Court Street, Arlington	875	1895
	Emma G. Blanchard, 146 Mass. Ave., Boston, Suite 622	825	1902
8	Hazel N. Friend, 128 Rowe Street, Melrose	750	1914
8	Ellen J. Whitcomb, Holbrook, Mass.	700	1914
	M. Edna Merrill, 228 Broadway	800	1909
	Arthur J. Marchant, 29 Evergreen Avenue	1,000	1914
	Ruth Kingman, 11 Westwood Road	250	1913
6.	Mrs. Mina P. Bickford, 216 Park Street, Medford	800	1903
6.	Elizabeth F. Clement, 29 Kidder Avenue	800	1884
6.	Mary I. Bradish, 112 Magoun Avenue, Medford	800	1899
5, 4.	Elizabeth S. Brown, 58 Thurston Street	800	1897
4.	Annie S. Gage, 32 Marshall Street	800	1881
3.	Mrs. Annie J. Ireland, 62 Evergreen Avenue	800	1909
3, 2.	Jessie L. Paine, 120 Mt. Pleasant Avenue, Roxbury	600	1914
2.	Carrie T. Lincoln, 79 Marshall Street	800	1893
1.	Cora J. Demond, 146 Massachusetts Avenue, Boston	800	1900
1.	Grace Shorey, 23 Forster Street	800	1892
(NORMAN W.) BINGHAM SCHOOL.			
Lowell Street, near Vernon Street.			
9.	HARRY F. HATHAWAY, Master, 495 Broadway	\$1,900	1890
9	Elizabeth J. O'Neil, 23 Albion Street	950	1894
9, 8.	Elizabeth J. Mooney, 168 Summer Street	800	1904
8.	Jane Batson, 72 Mountain Avenue, Malden	800	1900
7.	Mary F. Mead, 35 Kidder Avenue	800	1905
7, 6.	Catherine Heagney, 32 Sewall Street	800	1912
6.	Cora E. Crawford, 247 W. Newton Street, Boston	750	1912
6.	Maude M. Cunningham, 23 Albion Street	700	1913
5.	Harriet F. Ward, 34 Benton Road	800	1895
5, 4.	Helen L. Galvin, Braintree	800	1903
4.	Eva M. Barrows, 76 Boston Street	800	1903
3.	Bessie J. Baker, Malden	800	1905
3.	Harriet M. Bell, 62 Highland Avenue	800	1904
3, 2.	Clara L. Griffiths, 39 Ames Street	800	1902
2.	Lynda V. Merrill, 26 Brastow Avenue	700	1912
2, 1.	Priscilla A. Merritt, 96 Oxford Street	800	1885
1.	Mabel E. Mansir, 77 Albion Street	800	1894
Asst.	G. Marion Lovering, 27 Flint Street	425	1913
MARTIN W. CARR SCHOOL.			
Beech Street.			
9.	CHARLES G. HAM, Master, Watertown	\$1,900	1898
9.	May E. Berry, 14 Billingham Street	875	1884
8.	Clara D. Eddy, 71 Central Street	8' 0	1900
8.	Mrs. Mary E. Soule, 39 Walnut Street	800	1902
7.	Harriet A. Hills, 14 Billingham Street	800	1877
7.	Susie L. Luce, 21 Francesca Avenue	800	1891
7.	Leila L. Rand, 87 Raymond Street, Cambridge	800	1906
6.	Marie T. Smith, 15 Day Street	800	1898
6.	Dorothy Perry, 85 Mounfort Street, Boston	750	1918
5.	Mary A. Haley, 117 Summer Street	800	1864
5.	Elizabeth S. Foster, 10 Cambria Street	800	1895
5, 4.	Grace T. Merritt, 47 Cherry Street	800	1897
4.	Katherine Pike, 10 Cambria Street	800	1906
3, 2.	Blanche L. Paine, 71 Berkeley Street	800	1905
3.	Mrs. Lillian M. Wentworth, 248 Highland Avenue	800	1911
2.	Annie B. Russell, 45 Russell Street	800	1901
1.	Pearl F. Dame, 1 Ellsworth Street	750	1906
1.	Frances E. Welch, 303 Highland Avenue	600	1908
Asst.	Mabel Ingham, 27-B Summer Street	425	1912

TABLE 29.—Teachers in Service January, 1915.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
GIRLS' VOCATIONAL SCHOOL.			
41 Atherton Street.			
	Mary Henleigh Brown, Director, 85 Rockview St., Jamaica Plain	\$1,600	1911
	Helen C. French, 60 Adams Street	600	1912
	Mary Donoghue, 21 St. James Avenue	800	1911
	Margaret J. Sullivan, 47 Vinal Avenue	800	1913
	Theresa Morrison, 8 Johnson Avenue, Charlestown	600	1912
	Lucy Dorr, 121 St. Stephen Street, Boston	700	1911
	Marion P. Crawford, 9 Monmouth Street	900	1911
	Mrs. Helen G. Leitch, 93 Liberty Avenue	800	1913
	Emma M. Damon, 64 Vinal Avenue	800	1908
	Ruth Meister, 50 Thompson Street, Hyde Park	200	1914
(ENOCH R.) MORSE SCHOOL.			
Summer and Craigie Streets.			
9.	MINA J. WENDELL, Master, 211-A Summer Street	\$1,900	1882
9.	Mrs. Harriette C. Hamilton, 219 Summer Street	875	1900
8.	Mrs. Clara A. Ball, 2 St. Paul Street, Cambridge.	800	1906
7.	Lennie W. Bartlett, 10 Cambria Street	800	1893
8, 7.	Mrs. Jennie E. Stevens, 9 Bradford Avenue	600	1912
6.	Blanche E. Thompson, 33 Hudson Street	800	1906
6, 5.	Catherine Faircloth, 124 Summer Street	750	1914
5, 4.	Mrs. Elva A. Cutler, 12 Billingham Street	800	1911
4, 3.	Helen O. Locke, Everett	800	1912
3, 2.	Mrs. Agnes C. Rice, 45 Hudson Street	800	1900
2, 1.	Lena Munroe, 211-A Summer Street	700	1913
1.	Alice C. Ray, 26 Lowden Avenue	700	1914
1.	Helen L. Tuck, Revere	800	1912
Asst.	Gladys A. Kingsley, 169 Highland Avenue	475	1914
GEORGE O. PROCTOR SCHOOL.			
Hudson Street.			
	HARRY F. HATHAWAY, Master, 495 Broadway		1912
7.	NORA F. BYARD, Principal, 27 College Avenue	\$950	1884
6, 5.	Alice G. Hosmer, 42 Boston Street	800	1906
5, 4.	Abbie A. Gurney, 88 Belmont Street	800	1888
4, 3.	Ella P. McLeod, 109 Highland Avenue	800	1888
3, 2.	Edith L. Hunnewell, 23 Milton Street	800	1894
2, 1.	Mary S. Richardson, 347 Boston Avenue, Medford	800	1906
1.	Lucia Alger, 10 Cambria street	800	1889
GEORGE W. DURELL SCHOOL.			
Beacon and Kent Streets.			
4.	ABIGAIL P. HAZELTON, Principal, 33 Chatham St., Cambridge	\$850	1902
3.	Grace E. Packard, 12 Carlisle Street, Roxbury	800	1912
2.	Mary Winslow, 23 Hall Street	800	1887
1.	Alice M. Dicker, East Boston	650	1912
MARK F. BURNS SCHOOL.			
Cherry Street, near Highland Avenue.			
7.	LAURA J. BROSOKS, Principal, 31 Stevens Street, Stoneham	\$950	1883
Asst.	Mrs. Mary C. Buck, 12 Powder House Terrace	400	1899
6.	Cara M. Johnson, 80 Garfield Street, Cambridge	800	1897
5.	Lizzie E. Hill, 36 Magnolia Street, Dorchester	800	1890
4.	Mrs. Margaret D. Hellyar, 786 Main Street, Greenwood	800	1909
3.	Annie L. Brown, 10 Charnwood Road	800	1885
2.	Mary E. Lacy, 63 Cherry Street	800	1890
2, 1.	Ardelle Abbott, 71 Craigie Street	800	1896
1.	Alice E. Morang, 38 Cambria Street	800	1893
Asst.	Agnes Fletcher, 18 Waldo Street	475	1914

TABLE 29.—Teachers in Service January, 1915.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
BENJAMIN G. BROWN SCHOOL.			
Willow Avenue and Josephine Avenue.			
9.	GEORGE I. BOWDEN, Master, 92 Monument St., West Medford	\$1,900	1908
9.	Annie G. Smith, 59 Maple Street, Malden	875	1901
8.	Martha R. Taylor, 26 Simpson Avenue	700	1914
7.	Ida M. Record, 37 Benton Road	800	1899
6.	Gladys Stimson, 26 Lowden Avenue	700	1914
5.	Annie Sanburn, 20 Ashburton Place, Boston	800	1906
4.	Mary T. Ford, 26 Gibbens Street	800	1911
3.	Anna N. Johnson, 33 Everett Avenue	600	1913
3, 2.	Alice M. Dorman, 159 Morrison Avenue	800	1903
2, 1.	Mrs. Grace H. Bliss, 28 Fairmount Avenue	800	1900
1.	Katherine T. McMahon, 168 Summer Street	750	1913
HIGHLAND SCHOOL.			
Highland Avenue and Grove Street.			
9.	FRANK W. SEABURY, Master, 18 Winslow Avenue	\$1,900	1911
9.	Grace M. Clark, 10 Vernon Street, West Medford	875	1893
9.	Marguerite Burns, 15 Kidder Avenue	825	1907
9, 8.	Sarah E. Pray, 58 Liberty Avenue	825	1877
8.	Mary L. Bryant, 24 Hall Avenue	800	1903
8.	Mrs. Nellie G. Stewart, 1105 Broadway	800	1908
7.	Elsie M. Ross, Ipswich	800	1908
7.	Bessie M. Royce, 16 Dover Street	700	1914
7, 6.	Mary H. Joyce, 76 Boston Street	800	1891
6.	Lillian F. Richardson, 33 Wallace Street	800	1904
6.	Marie Clifford, 1533 Massachusetts Avenue, Cambridge	800	1907
5.	Marion Allen, Danvers	800	1911
5.	Eva E. Perkins, 35 Langdon Street, Cambridge	750	1911
WILLIAM H. HODGKINS SCHOOL.			
Holland Street.			
9.	ARTHUR L. DOE, Master, 27 Spruce Street, Malden	\$1,900	1896
9.	Edith W. Emerson, 135 Central Street	875	1896
8.	Alice S. Hall, 135 Central Street	800	1896
7.	Mrs. Gertrude W. Leighton, 26 Gibbens Street	800	1895
7.	Augusta M. Harris, 37 Cogswell Avenue, Cambridge	750	1914
6.	Isabel M. Brunton, 19 Hanson Street	700	1910
6, 5.	Flora A. Burgess, Arlington Heights	800	1894
5.	Catherine A. Burden, 28 College Avenue	800	1902
4.	Genieve R. Barrows, 52 Westland Avenue, Boston	800	1905
4, 3.	Katherine M. Fox, Stoneham	800	1896
3, 2.	Inez Prentiss, 27 Hall Avenue	750	1913
2, 1.	Nellie F. Wright, 897 Broadway	800	1912
1.	May V. Powell, 47 Centre Street, Malden	800	1913
CUTLER SCHOOL.			
Powder House Boulevard, near Raymond Avenue.			
9.	HARLAN P. KNIGHT, Master, 22 Hamilton Road	\$1,900	1897
9.	N. Irene Ellis, 29 Newbury Street	875	1903
8.	Elizabeth R. Henderson, 93 Ossipee Road	800	1912
8.	Lilla E. Mann, 30 Conwell Avenue	800	1902
7.	Katherine A. Breen, 81 Avon Street	800	1912
6.	Edith A. Maxwell, 10 Whitfield Road	800	1906
6, 5.	Bernice J. Andrews, 76 College Avenue	750	1914
5, 4.	Anna L. Brown, 14 Irving Street	800	1912
4.	Olevia M. Woods, 116 Powder House Boulevard	750	1908
3.	J. Elsie Macdonald, 50 Bromfield Road	600	1914
2.	Almena J. Mansir, 77 Albion Street	800	1899
2.	Edna F. Gordon, 10 Locke Street	800	1912
1.	Annie H. Hall, 97 College Avenue	800	1906

TABLE 29.—Teachers in Service January, 1915.—Concluded.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
LINCOLN SCHOOL.			
Broadway, near Teele Square.			
	HARLAN P. KNIGHT, Master, 22 Hamilton Road		1914
3.	Eliza H. Lunt, Principal, 50 Curtis Street	\$850	1889
2, 1.	Mrs. Clara L. Roberts, 62 Chandler Street	600	1914
1.	Hortense F. Small, 91 Electric Avenue	700	1912
1.	Mrs. Ethel W. Cutler, 24 Brastow Avenue	600	1914
MARTHA PERRY LOWE SCHOOL.			
Morrison Avenue, near Grove Street.			
	FRANK W. SEABURY, Master, 18 Winslow Avenue		1912
4.	MAY E. SMALL, Principal, 12 Day Street, Cambridge	950	1900
4.	Stella M. Holland, 16 Chester Place	800	1903
3.	Maude C. Valentine, 1098 Broadway	800	1901
3.	Mrs. Jane M. Taaffe, 159 Morrison Avenue	800	1888
2.	Katherine E. Hourahan, 15 Summit Street	800	1892
2.	Clara G. Hegan, 100 School Street	800	1897
1.	Martha A. Jencks, 96 Orchard Street	800	1898
1.	Eleanor J. Homer, 82 Hudson Street	650	1914
EVENING SCHOOL PRINCIPALS.			
	HARRY L. JONES, High	\$6.00	
	JOHN S. EMERSON, Bell	5.00	
	CHARLES E. BRAINARD, Highland	4.00	
CADET TEACHERS.			
	Margaret Beattie, 401 Washington Street	\$200	1914
	Anna R. Canfield, 205 Cedar Street	200	1914
	Ethel V. Chisholm, 43 Franklin Street	200	1914
	Lillian F. Commins, 24 Hanson Street	200	1914
	Julia N. Riordan, 165 Albion Street	200	1914
	Eva E. Sprague, 36 Albion Street	200	1914
	Marguerite Stetefeld, 43 Bonair Street	200	1914
	Anna R. Walsh, 27 Avon Street	200	1914
SPECIAL TEACHERS.			
MUSIC.			
13-7.	S. Henry Hadley, 46 Pearl Street	\$1,700	1868
6-1.	Charlotte D. Lawton, 11 East Newton Street, Boston	1,000	1898
DRAWING.			
9-1.	Clara M. Gale, 7 Westwood Road	1,100	1911
SEWING.			
	Mary H. Brown, Supervisor, 85 Rockview St., Jamaica Plain	*200	1913
8-5.	Mary L. Boyd, 74 Heath Street	800	1888
8-5.	Emma J. Ellis, 56 Locust Street, Winthrop	800	1900
8-5.	Charlotte Holmes, 24 Cambria Street	800	1913
8-5.	Jennie Williston, 3 Monmouth Street	500	1913
PENMANSHIP.			
9-1.	William A. Whitehouse, 32 Central Road	1,500	1895
MANUAL TRAINING.			
	Harry L. Jones, Supervisor, 137 Powder House Boulevard	+200	1911
9, 8.	Kathinka Fessman, 68 Warrenton Street, Boston	850	1912
9, 8.	Mrs. Christabel R. Winslow, 90 Marshall Street	800	1912
9, 8.	Eva G. Hardy, 64 Avon Street	850	1912
PHYSICAL INSTRUCTION			
	Ernst Hermann, 9 Humboldt Street, Cambridge	1,000	1914
ATYPICAL.			
	Mary A. Holt, 72 Boston Street	850	1910
	Bertha M. Martindale, 21 Highland Avenue	850	1913

*Additional to salary as Principal of Girls' Vocational School.

†Additional to salary as Principal of Boys' Vocational School.

TABLE 30.—OFFICERS, ETC., IN SERVICE JANUARY, 1915.

NAME AND ADDRESS.	Salary.
SUPERINTENDENT AND SECRETARY.	
Charles S. Clark, 82 Munroe Street	\$3,500
CLERKS.	
Justin W. Lovett, 29 Cambria Street	1,300
Mary A. Clark, 42 Highland Avenue	800
Mildred A. Merrill, 26 Cambria Street	650
ATTENDANCE OFFICER.	
Benjamin R. Jones, 25 Loring Street	1,350

TABLE 31.—SCHOOL JANITORS, JANUARY, 1915.

School.	Name.	Residence.	Weekly Salary.
High School, S . . .	John H. Kelley	7 Madison St.	\$25.00
High School, assistant . . .	Lewis G. Keen	56 Prescott St.	16.00
High School, assistant . . .	Michael A. Mullin	16 Bowdoin St.	17.00
High School, assistant . . .	John N. Quirk	202 Somerville Ave.	14.00
High School, fireman . . .	Charles Hoyt	18 Trull St.	16.00
Prescott, S, 12 . . .	George A. McGunnigle	88 Glen St.	17.00
Hanscom, S, 10 . . .	Charles F. Rose	15 Brastow Ave.	15.00
Boys' Vocational, F, 4 . . .	George H. Clapp	35-A Franklin St.	12.00
Bennett, S, 12 . . .	Michael Mullaney	467 Somerville Ave.	17.00
Baxter, S, 6 . . .	Israel Winterbottom	46 Laurel St.	14.00
Knapp, S, 12 . . .	John H. Lane	5-A Belmont St.	17.00
Perry, S, 6 . . .	Henry C. Bradford	72 Boston St.	14.00
Pope, S, 12 . . .	John J. Kilty	662 Somerville Ave.	17.00
Bell, S, 12 . . .	William Meskill	53 Partridge Ave.	17.00
Cummings, F, 4 . . .	George W. Libby	215 Pearl St.	12.00
Edgerly, S, 12 . . .	Charles P. Horton	22 Everett Ave.	17.00
Glines, S, 14 . . .	Roy C. Burckes	249 School St.	18.25
Forster, S, 18 . . .	George W. Coombs	30 Tufts St.	18.00
Forster, assistant . . .	Jerry M. Brennan	9-A Glenwood Rd.	14.00
Bingham, S, 16 . . .	John F. O'Brien	347 Lowell St.	21.00
Carr, S, 16 . . .	James W. Rich	206 Highland Ave.	23.00
Morse, F, 12 . . .	John W. Cremen	69 Oxford St.	17.00
Proctor, S, 8 . . .	Charles T. McGrath	320 Lowell St.	14.00
Durell, S, 4 . . .	Ellsworth C. Lundgren	50 Harrison St.	12.00
Burns, S, 8 . . .	Charles Galloway	160 Hudson St.	15.00
Brown, S, 10 . . .	Othniel M. Pote	23 Howe St.	15.00
Highland, S, 12 . . .	E. Parker Cook	398 Highland Ave.	16.00
Hodgkins, S, 14 . . .	John J. Shca	406 Highland Ave.	17.00
Cutler, S, 12 . . .	Daniel Campbell	85 Lexington Ave.	20.00
Lincoln, 4 . . .	George Q. Marshall	19 Wesley St.	13.50
Lowe, S, 8 . . .	John F. Richardson	190 Morrison Ave.	15.00
Girls' Vocational . . .	George H. Griffin	25 Virginia St.	7.50
Girls' Vocational, assistant . . .	George W. Hooper	166 Lowell St.	14.00

Buildings heated by steam are marked "S," by furnace "F." The numbers show the number of rooms.

The high school is heated from the Central heating plant,

CONTINUATION OF TABLE A, 1909.

Attendance by Grades For a Series of Years.

Attendance by Grades—Boys

Grade	1913	1912	1911	1910	1909
Kindergarten.....	103	110	116	100	98
1.....	795	700	564	421	830
2.....	662	495	462	709	736
3.....	519	505	673	702	672
4.....	559	678	660	650	648
5.....	605	609	601	632	669
6.....	626	571	638	618	619
7.....	525	546	535	521	558
8.....	464	452	439	473	449
9.....	376	332	373	372	371
10.....	295	334	308	273	304
11.....	236	224	186	223	194
12.....	175	155	170	138	159
13.....	122	142	107	135	110

Attendance by Grades—Girls

Grade	1913	1912	1911	1910	1909
Kindergarten.....	117	100	101	100	109
1.....	787	641	519	405	765
2.....	620	496	462	649	668
3.....	488	491	641	652	674
4.....	492	593	630	619	659
5.....	613	639	605	626	580
6.....	632	582	601	547	580
7.....	530	560	541	546	564
8.....	463	443	475	480	501
9.....	388	386	403	462	388
10.....	342	338	352	296	333
11.....	268	271	230	270	278
12.....	230	202	208	215	201
13.....	165	182	205	170	175

Attendance and Promotion by Grades—Both Sexes.

Grade	1913	1912	1911	1910	1909
Kindergarten.....	220	210	217	200	207
Entered.....	1,314	1,048	947	*521	1,222
1.....	1,582	1,341	1,083	826	1,595
2.....	1,282	991	924	1,358	1,404
3.....	1,007	996	1,314	1,354	1,346
4.....	1,051	1,271	1,290	1,269	1,307
5.....	1,218	1,248	1,206	1,258	1,249
6.....	1,258	1,153	1,239	1,165	1,199
7.....	1,055	1,106	1,076	1,067	1,122
8.....	927	895	914	953	950
9.....	764	718	776	834	759
Promoted.....	691	781	805	743	741
10.....	637	672	660	569	637
11.....	504	495	416	493	472
12.....	405	357	378	353	360
13.....	288	324	312	305	285
Graduated.....	297	296	277	266	264

*Age of admission increased to six years.

TABLE C.
Number of Children of Each Age From 5 to 15 as Shown by the
School Census for 1914

Ages	No. Children		Total
	Boys	Girls	
5.....	730	632	1,362
6.....	742	787	1,529
7.....	755	777	1,532
8.....	673	694	1,367
9.....	635	684	1,319
10.....	672	688	1,360
11.....	636	685	1,321
12.....	644	640	1,284
13.....	606	648	1,254
14.....	575	610	1,185
15.....	469	516	985
Total.....	7,137	7,361	14,498

CONTINUATION OF TABLE B—1909.

Proportion between number entering each class and its membership in subsequent grades.

Year begun Grades	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	*1910	1911	1912	1913
1.....	1.480	1.569	1.581	1.532	1.376	1.338	1.414	1.372	1.347	1.235	1.266	1.279	1.305	1.585	1.144	1.279	1.204
2.....	1.164	1.219	1.299	1.293	1.160	1.139	1.219	1.260	1.255	1.120	1.053	1.116	1.112	1.774	1.047	1.223	.....
3.....	1.095	1.149	1.236	1.214	1.163	1.080	1.144	1.170	1.091	1.091	1.112	1.076	1.075	1.912	1.063	.....	.....
4.....	1.062	1.099	1.186	1.156	1.161	1.076	1.106	1.157	1.113	1.057	1.049	1.026	1.040	2.017	.....	.....	.....
5.....	1.050	1.107	1.137	1.177	1.089	1.047	1.061	1.125	1.065	1.018	.997	.992	.997	.....	.....	.....	.....
6.....	.978	1.061	1.097	1.126	1.016	1.014	1.037	1.037	.992	1.003	.953	1.000	.....	.....	.....	.....	.....
7.....	.924	.939	.952	.981	.936	.961	.960	.923	.916	.895	.872	.....	.....	.....	.....	.....	.....
8.....	.815	.859	.858	.813	.792	.802	.816	.790	.761	.750	.....	.....	.....	.....	.....	.....	.....
9.....	.661	.746	.777	.754	.637	.704	.664	.621	.651	.....	.....	.....	.....	.....	.....	.....	.....
Promoted.....	.614	.679	.731	.725	.623	.680	.669	.598	.....	.....	.....	.....	.....	.....	.....	.....	.....
10.....	.501	.546	.588	.623	.477	.557	.575	.551	.....	.....	.....	.....	.....	.....	.....	.....	.....
11.....	.393	.423	.465	.482	.349	.418	.431	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12.....	.305	.337	.347	.370	.300	.342	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13.....	.273	.286	.307	.317	.242	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Graduated.....	.257	.259	.291	.291	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Proportion Between Boys and Girls in Membership

(Girls equal 100.) Figures are per cent. Boys.

Year Attending	1909	1910	1911	1912	1913
Kindergarten.....	92	100	115	110	88
1.....	108	104	109	109	101
2.....	110	109	100	100	107
3.....	100	108	105	103	106
4.....	98	105	105	114	114
5.....	115	101	99	95	99
6.....	107	112	106	98	99
7.....	99	95	99	98	99
8.....	90	99	92	102	100
9.....	96	81	93	86	98
10.....	91	92	88	98	86
11.....	70	83	81	83	88
12.....	79	64	82	77	76
13.....	63	79	52	78	75

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Table with multiple columns and rows, containing numerical data and text labels. The text is faint and mostly illegible.

**RULES OF THE SCHOOL COMMITTEE AND GENERAL
REGULATIONS OF THE PUBLIC SCHOOLS.**

IN EFFECT MARCH, 1915

Extracts from the City Charter Relating to the Public Schools.

SECTION 28. The management and control of the public schools shall be vested in a school committee, which shall exercise the powers conferred and discharge the duties imposed by law upon school committees. The committee shall consist of the Mayor and the President of the Board of Aldermen, ex-officiis, neither of whom shall serve as chairman, and fourteen other members, two from each ward, elected as follows: At the first municipal election held under this charter, two members of the School Committee shall be elected by and from the qualified voters of each ward, one to serve for the term of two years, and one to serve for the term of one year, beginning on the first Monday of January next ensuing, and thereafter one member from each ward shall be elected in like manner at each annual municipal election, to serve for the term of two years. Vacancies occurring in the School Committee shall be filled by a joint ballot of the Board of Aldermen and the School Committee, the member so elected to be a resident of the ward entitled to a new member, and to hold office only for the remainder of the municipal year, the vacancy for the remainder of the term, if any, to be filled by the voters of said ward at the next municipal election.

SECTION 29. The School Committee shall meet on the first Monday of January in each year and organize by the election by ballot of one of its members as chairman. The oldest in age of the members present shall preside at all meetings until a chairman is elected.

SECTION 30. The School Committee shall be the judge of the election and qualifications of its members, and shall from time to time make rules for its proceedings. A majority of all the members of the Committee shall constitute a quorum for the transaction of business, but a less number may meet and adjourn from time to time. It shall annually appoint a superintendent of schools, who shall also be its secretary, but who shall not be one of its members.

SECTION 46. The heads of departments and all other officers and boards whose duties involve the expenditure of public money shall annually, in the month of January or February, present to the Mayor an itemized estimate of the money required for their respective departments or offices during the current financial year, who shall examine and

submit the same, with his recommendations for appropriations, to the Board of Aldermen during the month of February or March.

From the Revised Ordinances of 1900.

CHAPTER XIII. SECTION 1. The School Committee shall annually, if possible in the month of January, present to the Board of Aldermen a statement of such additional school accommodations as in its judgment may be required.

SECTION 2. The Commissioner of Public Buildings shall have authority to let the halls in the several school buildings for objects other than school purposes, but never to the disturbance of the schools; and all rentals received shall be credited to public buildings maintenance—schoolhouses. In no case shall the free use of any hall be granted by him.

CHAPTER IV. SECTION 4. The pay-rolls for the salaries of school teachers shall be prepared by the Secretary of the School Committee on the last day of each four weeks for which salaries are due, and such pay-rolls shall be approved by him and by said Committee, and shall be sent to the City Auditor, who shall, if the pay-rolls are correct, forthwith approve the same. The Mayor shall, if satisfied of the correctness of such pay-rolls, sign a warrant for the City Treasurer to pay the amounts thereof, and the Treasurer may thereupon pay the same.

RULES OF THE SCHOOL COMMITTEE

Organization of the School Committee.

SECTION 1. The School Committee shall meet on the first Monday of January of each year, and organize by the election of two of its members as chairman and vice-chairman respectively. The oldest in age of the members present shall preside until a chairman is elected, and shall read the credentials of new members. The chairman shall be elected by ballot, and the Superintendent of Schools shall serve as secretary of the Board, in accordance with the provisions of the City Charter. Chairman.

SECTION 2. The standing committees of the Board shall be appointed by a committee consisting of the Chairman and vice-chairman, and a third member of the Board to be selected by them. Appointment
of Standing
Committees.

SECTION 3. The standing committees of the Board shall be as follows:— Standing
Committees.

(1-7) On schools in the several districts (or wards), to consist of the two members elected from each district or ward, together with one member elected in a contiguous ward, who shall be selected by the nominating committee referred to in Section 2, and approved by the Board;

(8) On school accommodations,

(9) On high schools,

(10) On text-books and courses of study,

(11) On finance and*

(12) On industrial education (each to consist of seven members).

(13) On playgrounds to consist of five members.

(14) On rules and regulations, (to consist of three members).

(15) On teachers, to consist of five members.

The member first named on any standing or special committee shall be chairman thereof.

The Mayor and the President of the Board of Aldermen shall be ex-officiis members of the committees on finance and school accommodations.

The chairman of each district committee for any year shall be the member residing in the district whose term expires at the end of that year. If the term of any member shall expire during the year, the Board shall determine the chairmanship of the district committee.

SECTION 4. The regular meetings of the Board shall be held at 8.15 in the afternoon of the last Monday of each month, excepting July, August, and December. The last regular meeting of the year shall be held on the Friday next preceding the first Monday of January. A meeting to hear Regular
Meetings.

the annual report of the Superintendent shall be held on the Friday next preceding the last meeting of the Board for the year. Whenever a regular meeting comes upon a holiday, the date of such meeting shall be changed at the regular meeting of the preceding month.

Special
Meetings.

SECTION 5. Special meetings shall be called by the secretary by the direction of the chairman, or at the written request of three members of the Board. No business shall be transacted at such meetings except that which shall be specified in the call therefor.

Quorum;
nine votes
elect.

SECTION 6. Nine members shall constitute a quorum for the transaction of business, but a smaller number may vote to call the roll, record the names of absentees, and adjourn to a fixed date. Nine votes shall be necessary for the election of any officer or employee of the Board.

Open to
Public.

SECTION 7. All meetings shall be open to the public, except when the Board votes to go into executive session.

Order of
Business.

SECTION 8. At all regular meetings of the Board business shall proceed in the following order:—

1. Reading the record of the previous meeting.
2. Action upon bills.
3. Report of the truant officer.
4. Reports of committees.
5. Report of Superintendent.
6. Reading of communications.
7. Nominations and elections.
8. Unfinished business.
9. New business.

Suspension
of Rules.

SECTION 9. Any rule or regulation of the Board may be temporarily suspended at any meeting by a vote of two-thirds of the members present.

Amendment
of Rules.

SECTION 10. The rules and regulations may be amended or repealed at any meeting by a vote of the majority of the whole Board, provided written notice of such proposed action shall have been given at a previous meeting, and the subject duly considered and reported upon in writing by the committee on rules and regulations.

Questions of
Order.

SECTION 11. The conduct of the meetings and business of the Board shall be in accordance with the rules of parliamentary practice laid down in "Cushing's Manual," except as otherwise provided in these rules.

Duties of
Chairman.

SECTION 12. The chairman shall preside at all meetings of the School Committee, if present. In his absence, the vice-chairman shall preside. If both chairman and vice-chairman are absent, the senior member in age shall preside. The chairman and vice-chairman shall have the right to vote on all questions.

Duties of Secretary.

SECTION 13. The secretary shall give to every member

of the Board at least forty-eight hours' notice of each meeting, which notice shall outline the business that is to come before the meeting. He shall promptly notify each member of a special committee of his appointment, and furnish him the names of other members of the committee. He shall furnish the chairman of each committee whatever orders, documents, or information may be needed for the prosecution of the business of the committee. He shall send to each member of the Board a printed report of the proceedings at each meeting, as soon as possible thereafter.

Notice of
Meetings
and Mem-
bership of
Committees.

SECTION 14. He shall attend all meetings of the Board, and when requested, all standing committee meetings and record all the votes, orders, and proceedings of the same in permanent record books. He shall keep on file in his office all reports, communications, papers, and documents relating to the business of the Board, or belonging to it. All records, papers, etc., connected with the business of the Board or any of its committees, shall be open at any time to the inspection of any member of the Board.

Records.

SECTION 15. He shall promptly notify teachers and other employees of the Board of their election and of any changes in the management of the schools.

Notice of
Election.

SECTION 16. He shall examine all bills presented to the Board for approval, and if found correct approve the same. He shall make out and attest the pay-rolls for the salaries of all persons employed by the Board, and for the contingent expenses of the schools. He shall keep a full and accurate account of all expenditures of the Board, which shall always be open to the inspection of its members.

Approval of
Bills.

Accounts.

SECTION 17. He shall prepare the annual returns and certificates to be transmitted to the secretary of the Board of Education as required by law. He shall perform such other duties as may be required of him by the Board or any of its committees.

Annual Re-
turns.

Duties of Standing Committee.

SECTION 18. It shall be the duty of the several standing committees to give special attention to the departments to which they are assigned, and to advise with the Superintendent and the Board in relation to the same. The chairman of any standing committee is authorized to call a meeting of his committee whenever he deems it necessary, and shall call such meeting on the written request of any member of said committee.

General Dut-
ies.

At least forty-eight hours' notice in writing of such meeting shall be given to each member, and no business shall be transacted except at a regularly-called meeting, of which due record shall be made and kept at the office of the Secretary of the Board.

New Build-
ings.

SECTION 19. The committee on school accommodations shall, as frequently as necessary, consider and report upon all demands for new school buildings, and recommend to the School Board suitable sites for the same. It shall ascertain what repairs and improvements are needed and submit a written report with recommendations for the consideration and approval of the Board.

District
Committees.

SECTION 20. The several district committees shall have the immediate direction of the schools in their respective districts. It shall be their duty to give advice to the teachers of their respective schools relative to discipline and other subjects requiring counsel; and in case of any difficulty between teachers and parents or guardians of the pupils they shall settle the same in such a manner as the merits of the case may seem to require, not denying any parent, guardian or teacher an appeal to the whole Board.

Transfers of
Teachers.

Standing committees in the several districts may make such transfers of teachers in their respective districts as in their judgment will secure the best interests of the schools under their care.

Graduation
Exercises.

The chairman of the several district committees shall make all arrangements for the annual graduation exercises of the grammar schools.

High
Schools.

SECTION 21. The committee on high schools shall perform the same duties and observe the same rules in reference to these schools as are prescribed for the district committees in the supervision of the grammar and primary schools. It shall obtain all needful information concerning the character and efficiency of private schools, wherein are taught children between the ages of eight and fourteen years, in conformity to the laws of the Commonwealth, and shall report to the Board from time to time the results of its investigations. It shall nominate truant officers for election by the Board.

Text-Books.

SECTION 22. The committee on text-books and courses of study shall consider every proposition involving a change in text-books or in courses of study. Reports shall be made in writing at the next regular meeting of the Board, and may be amended by a majority vote of the members present; but no change of text-books shall be made, and no text-book shall be adopted except by a two-thirds vote of the Board, notice of the intended change or adoption having been given at a previous meeting.

Any book of reference, globe, map, or chart may be adopted by a majority vote of the Board, after examination and report thereon by the committee on text-books.

It shall exercise general supervision over instruction in music in all the schools.

SECTION 23. The committee on finance shall consider all propositions for change in the salaries of teachers, officers, and other employees, and shall report in writing such recommendations concerning the same as it may deem expedient. It shall examine and approve the pay-rolls of all bills and submit them to the School Committee; it shall examine and approve pay-rolls of all employees of the Board and consider and report upon every proposition requiring the expenditure of money before such proposition is finally acted upon by the Board. Annually in January it shall prepare a written estimate of the amount of money required for the support of the public schools during the fiscal year, and shall submit the same to the School Board for its approval. It shall have the exclusive authority to provide all stationery, blanks, cards, printing, record books, diplomas, authorized books, globes, maps, and charts for the use of teachers and pupils, and all other articles required for the use of the Board, its officers, or the schools.

Pay-rolls
and Finance

Estimate.

SECTION 24. The committee on industrial education shall have general supervision of the several branches of industrial education, manual training, drawing, penmanship, domestic science and domestic art. It shall have the general supervision of the evening schools as provided in the general regulations.

Industrial
Education.

SECTION 25. The Committee on Playgrounds and School Hygiene shall have in charge the organization and conduct of playgrounds and vacation schools, and the general supervision of the same. It shall advise and co-operate with the Board of Health in all matters pertaining to the medical inspection of the schools. It shall see that all orders and requests of said board are properly executed by teachers. The annual test of the sight and hearing of pupils required by Statute shall be made by teachers under direction of this committee. It shall have supervision over all school conditions which affect the health of pupils.

SECTION 26. The committee on rules and regulations shall consider all proposed changes of the Rules and Regulations, and report in writing at a subsequent meeting of the Board.

Rules and
Regulations.

Duties of Superintendent.

SECTION 33. The Superintendent of Public Schools shall be elected annually on the last Monday of April, or whenever a vacancy occurs.

Supervision
of Schools.

SECTION 34. The Superintendent shall be the advisory and executive officer of the Board, and under its direction and control shall have the care and supervision of all the public schools. He shall direct and supervise the same in conformity with the courses of study and the rules and regulations of the Board, and shall see that all regulations and orders of the Board are carried into effect.

Visitation.

SECTION 35. He shall visit each school as often as practicable and carefully examine its condition. He shall advise with teachers as to the best methods of instruction and discipline, and for this purpose may hold meetings of teachers at such times as he may deem advisable.

Classifica-
tion.

SECTION 36. He shall pay particular attention to the classification of pupils that there may be, as far as practicable, a uniform course of instruction and system of discipline in the different schools of the same grade. In consultation with the principal, he shall have the direction of the transfers of children from one school to another of the same grade. In making transfers, he shall duly consider the numbers in the schools and the residence of children, consulting the appropriate standing committees in doubtful cases.

Transfers of
Pupils.

Supplies.

SECTION 37. Under the direction of the committee on finance, he shall see that the schools are supplied with all needed text-books, blanks, registers, record books, maps, charts, stationery, diplomas, report cards, and other articles furnished by the Board for their use. He shall see that all statistical reports are properly made by principals, and receive and record the same. He shall prepare a directory of the schools, containing the names of standing committees, teachers, schools, etc., at the beginning of each school year.

Reports.
Directory.

Attendance
at Meetings.

SECTION 38. The Superintendent shall attend all meetings of the Board, except when his election is under discussion, and when called upon through the chairman, shall express his opinion on any topic under consideration.

Report of
Superintend-
ent and
School
Board.

SECTION 39. When requested by the Board, he shall report upon the condition of the schools, and make such suggestions relating to their efficiency and usefulness as he may consider desirable. Annually, in the month of December, he shall prepare and present to the Board a detailed report of the condition of the schools, accompanied by suitable statistical tables and suggestions, which may be adopted by the Board as its annual report required by statute.

Applicants
for Schools.

SECTION 40. He shall keep a list of applicants for schools, and a record of such facts as may be known to

him respecting their character, experience, and qualifications, and when requested by the proper committee, recommend to them teachers for nomination. He shall fill all vacancies occasioned by the temporary absence of teachers for a period not exceeding fifteen days not otherwise provided for, and make other temporary arrangements relative to the schools which he may consider needful, and report the same to the proper committees.

Vacancies.

SECTION 41. He shall from time to time inspect the grounds, buildings, furniture, and apparatus belonging to the schools, and report to the Board any defects in the same which may impair the health of pupils and teachers or interfere with the efficiency of the schools.

Inspection
of Buildings.

SECTION 42. He shall at his discretion in very stormy or excessively hot or cold weather, strike the signal on the fire alarm bells for the omission of the next session of the schools.

Storm
Signal.

SECTION 43. He shall issue certificates of the age and school attendance of children under sixteen years of age who desire employment in manufacturing or mercantile establishments, and shall co-operate with the proper authorities in securing the observance of the law concerning the employment of children.

Employment
Certificates.

SECTION 44. At least two weeks before the annual election of teachers, he shall furnish to each member of the Board as full a list as possible of teachers that are to be voted for at said meeting.

List of Can-
didates.

He shall annually publish and send to each member of the Board a complete list of all books, charts, maps, and globes, with the number of each kind belonging to the city. He shall promptly forward to each member of the Board copies of all bulletins and general letters issued to teachers.

List of Text
Books.

Under his direction, the school census shall be taken as provided by the public statutes.

Census.

SECTION 45. The Superintendent shall devote his entire time to the service of the city. He shall have his office at a suitable place approved by the Board, and shall establish suitable office hours. He shall be in attendance therein at least one hour of each secular day during the school year. He shall employ such clerical assistance as may be necessary, subject to the approval of the Board.

Office
Hours.Clerical
Assistance.

SECTION 46. All votes and directions of the Board affecting pupils, parents, or teachers shall be communicated through the Superintendent. In all matters where his duties are not definitely prescribed, he shall exercise his discretion, subject to the approval of the Board. He shall, when requested, render any advice or aid to any stand-

Notices of
Votes of
Board.

ing committee and perform such other duties as the Board may from time to time direct.

Duties of Truant Officers.

Election.

SECTION 47. The Board shall elect annually, at the meeting in April, one or more truant officers. One of the officers shall devote his whole time during the school year to the duties of his office, under the direction of the Superintendent.

To enforce Ordinances.

SECTION 48. The truant officers shall enforce all ordinances of the city and statutes of the Commonwealth in relation to truant children, absentees from school and such children as persistently violate the reasonable rules and regulations of the schools.

Investigation of Truancy.

SECTION 49. Upon request of a teacher, duly made upon truant cards provided for the purpose, and countersigned by the principal, the truant officer shall investigate the absence of any child thought to be a truant, take such action as he may think proper and report the facts to the principal. He shall not be employed to investigate the absence of pupils who are not suspected of truancy.

Reports.

SECTION 50. He shall make a written report of his doings each month to the School Board, render such service in connection with the evening schools as may be required by the committee on industrial education, and perform such other duties as the Board may from time to time direct.

Election of Teachers.

Nominations.

SECTION 51. All teachers, supervisors, and other employees of the Board shall be nominated by a standing committee of the Board to consist of five members to be appointed in the same manner as other standing committees, and the various district committees, the High School committee, and the industrial committee shall have no authority to nominate teachers.

Teachers not nominated.

Whenever in the opinion of said standing committee, it is thought best not to nominate any such person for re-election, such person shall be notified by the committee in writing of their decision at least one month before the April meeting of the Board. Any appeal by the aggrieved party from this decision to the full Board must be claimed in writing within two weeks after receiving the aforesaid notice. Pending such appeal, no new nomination shall be made by the committee.

Time of Election.

SECTION 52. The Superintendent, teachers, supervisors, and truant officers shall be elected annually by ballot, or otherwise as the statutes may direct, at the

regular meeting in April, nine votes being necessary to a choice. Any vacancy occurring during the year may be filled at any meeting of the Board. Evening school teachers shall be elected in September, and vacation school teachers in June.

The secretary shall forthwith give written notice to each person elected, who shall be requested to notify the secretary of his acceptance within ten days from the date of the notice. Such election and acceptance shall be subject to the provision of the public statutes that the Board may dismiss from employment any teacher whenever it may think proper.

SECTION 53. Unless otherwise specified, all elections shall be for the school year or remainder of the school year following the election. Teachers intending to resign are required to give the secretary written notice four weeks (exclusive of vacations) before the resignation takes effect. All salaries shall be established at the time of election. The Superintendent, truant officers, and Superintendent's clerks shall be paid one-twelfth of their annual salaries each month. The salaries of teachers shall be payable in ten equal installments.

SECTION 54. Regular teachers who are absent from school on account of personal illness, or who are absent not more than three days on account of the death of either of the following members of their immediate family, to wit:—a parent, child, brother, sister, husband or wife,—shall suffer no loss of pay, provided such absence does not aggregate more than five days in any school month or fifteen days in a school year. Absence in excess of the above periods or from any other cause, shall be without pay.

SECTION 55. There shall be elected annually at the April meeting not exceeding three teachers to serve as regular substitutes whenever and wherever they may be needed. These teachers shall be under the direction of the Superintendent in consultation with the several district committees.

Salaries of Teachers.

SECTION 56. The salaries paid to teachers and other employees of the Board shall be as follows:—

High Schools. Teachers in the high schools are designated as head masters, masters, sub-masters, junior sub-masters, and first, second, third, and fourth assistants, who shall be paid in accordance with the following schedule:—

Notice of Election.

Dismissal of Teachers.

Resignations.

Salaries when paid.

Absence of Teachers.

Permanent Substitutes.

High School Salaries.

	1st yr.	2nd yr.	3rd yr.	4th yr.	5th yr.	6th yr.	7th yr.	8th yr.	9th yr.
Head Master.....	\$2,300	\$2,400	\$2,500	\$2,600	\$2,700	\$2,800	\$2,900	\$3,000	\$3,200
Master.....	1,800	1,850	1,900	1,950	2,000	.....	.....	.....	.....
Sub-Masters.....	1,000	1,100	1,200	1,300	1,400	1,500	1,600	1,700	.....
Junior Sub-Masters.....	1,000	1,050	1,100	1,150	1,200	1,250	1,300	.....	.....
First Assistants.....	1,000	1,050	1,100	1,150	1,200	.....	.....	.....	.....
Second Assistants.....	900	950	1,000	.....	.....	.....	.....	.....	.....
Third Assistants.....	650	700	750	800	850	900	.....	.....	.....
Fourth Assistants.....	As may	be dete	rmined	by vote	.....	.....	.....	.....	.....

Fourth assistants in the high schools may be appointed by the Board at such salary as it may determine, on recommendation of the standing committee of the high schools.

SECTION 57. *Grammar and Primary Schools.* Teachers in grammar and primary schools shall be paid annual salaries according to the following schedule:—

	1st year	2d year	3rd year	4th year	5th year	6th year	7th year	8th year	9th year
Masters.....	\$1,500	\$1,550	\$1,600	\$1,650	\$1,700	\$1,750	\$1,800	\$1,850	\$1,900
Masters' Assistants.....	700	725	750	775	825	875	.....	.....	.....
First Eight Grades.....	375	450	525	600	650	700	750	800	.....
Ninth Grade.....	625	650	675	700	725	775	825	.....	.....
Head Kindergartners.....	300	375	450	525	600	650	700	.....	.....
Assistants not in charge of room...	200	275	350	425	475	525	.....	.....	.....
Principals, 12-room buildings.....	800	850	900	950	1,000	.....	.....	.....	.....
Principals, 10-room buildings.....	750	800	850	900	950	.....	.....	.....	.....
Principals, 8-room buildings.....	750	800	850	900	950	.....	.....	.....	.....
Principals, 6-room buildings.....	725	775	825	875	.....	.....	.....	.....	.....
Principals, 4-room buildings.....	675	725	775	825	850	.....	.....	.....	.....

SECTION 58. *Supervisors and Special Instructors,* and other employees shall be paid annual salaries according to the following schedule:—

	1st year	2d year	3rd year	4t year	5th year	6th year	7th year	8th year	9th year
Teachers of Music in high school and upper grammar grades.....	\$1,200	\$1,300	\$1,400	\$1,500	\$1,600	\$1,700	.....	.....	.....
Supervisor of Music in lower grades	700	800	900	1,000	...	.....	.....	.....	.....
Supervisor of Drawing.....	700	800	900	1,000	.....	.....	.....	.....	.....
Supervisor of Penmanship.....	800	900	1,000	1,100	1,200	1,300	1,400	1,500	.....
Sewing Teachers.....	500	550	600	650	700	750	800	.....	.....
Manual Training Teachers, for five hours daily*	1,100	.....	.....	.....	.....	.....	.....	.....	.....
Permanent Substitutes in grades below the ninth.....	375	450	525	600	650	700	.....	.....	.....
Temporary Substitutes in grades below the ninth.....	1.50	to	2.50	per	day	...	.....	.....	.....
Temporary Substitutes in high schools, ninth grades, or for principals.....	.....	.....	3.00	per	day	.....	.....	.....	.....
Substitutes for Masters or Sub-Masters.....	.....	.....	5.00	per	day	.	.....	.....	.....
First Truant Officer†	1,000	1,100	1,200	1,300	1,350	.....	.....	.....	.....
Second Truant Officer.....	50	.....	.....	.....	.....	.....	.....	.....	.....
Superintendent of Schools.....	2,500	2,600	2,700	2,800	2,900	3,000	.....	.....	.....
Superintendent's Clerk.....	600	650	700	750	.....	.....	.....	.....	.....

*\$1400 for six hours daily. †He to furnish and maintain his own team.

SECTION 59. Salaries of evening school teachers shall be fixed in accordance with the following schedule:—

Evening
School
Teachers'
Salaries.

High School.

Master	\$6.00	for each evening
Sub-master	4.00	" " "
First assistants	3.00	" " "
Second assistants	2.00	" " "
Third assistants	1.50	" " "

Elementary Schools.

Masters of schools with an average attendance of 150 or more.....	\$4.00	for each evening
Masters of schools with an average attendance of less than 150.....	\$3.00	for each evening
First assistants	2.00	" " "
Second assistants	1.50	" " "
Third assistants	1.00	" " "

SECTION 60. Vacation school teachers shall be paid according to the following schedule:—

Principals	\$15.00	for each week
First assistants	10.00	" " "
Second assistants	7.50	" " "
Third assistants	5.00	" " "

SECTION 61. The salary of any teacher or other employee of the School Committee shall be fixed by the committee at the time of election. It may be fixed at the minimum, at the maximum, or at any intermediate sum provided for in the foregoing schedules, except that no teacher shall receive the maximum salary who has not had at least five years of teaching experience. Graduation at a normal school shall be considered equivalent to a year of teaching experience.

Salaries
When
Fixed.

Increase of salaries shall commence at the monthly period of payment next succeeding the end of each year of service.

SECTION 62. District committees may at their discretion appoint assistants

Assistants.

- (1) In kindergartens with a membership exceeding thirty;
- (2) In any class having an average membership of more than fifty.

SECTION 63. Vacation school teachers shall be nominated by the committee on playgrounds, and shall be designated as principal, and first, second, and third assistants.

Vacation
School
Teachers.

SECTION 64. No person not now in the service of the Board shall be eligible to election to any position connected with the schools who has not had professional or college training, or suitable experience in the line of work which he is to teach or supervise.

Training or
Experience
Required.

Special Instructors.

SECTION 65. At the regular meeting in April there shall be elected special instructors in music, drawing, pen-

Election.

manship, sewing, and such other special branches as the Board may hereafter determine.

Subject to
Rules.

SECTION 66. They shall be subject to all the regulations of the Board relating to regular teachers, unless it is otherwise provided.

Musical
Instruction.

SECTION 67. Instruction in music shall be given in all the schools, and no pupil shall be excused from this study, except by permission of the chairman of the committee on text-books and courses of study, or the Superintendent.

Musical
Instruction.
By whom
Given.

SECTION 68. In all the grades below the eighth, instruction in this study shall be given by the regular teacher under the direction of the special instructor. In the eighth and ninth grades and in the high schools the musical instruction shall be given by the special teacher.

Drawing.

SECTION 69. Instruction in drawing shall be given in all grades of the grammar and primary schools, and in the English High School. It shall be an optional study only in the three upper classes of the high school.

By whom
Taught.

In all grades below the high school, instruction in drawing shall be given by the regular teacher, under the direction of the supervisor of drawing. In the English High School drawing shall be taught by special instructors appointed for the purpose.

Sewing.

SECTION 70. Instruction in sewing shall be given in the fifth, sixth, seventh, and eighth grades of the schools, by special teachers appointed for the purpose.

Cooking,
etc.

SECTION 71. Instruction in cooking, woodworking, and physical training may be given by special teachers, in such schools and in such grades as may be designated by the Board.

Special
Instruction.

SECTION 72. Instruction in any of the special branches may be extended or restricted in the schools at any time, by a majority vote of the Board, on recommendation of the special committee in charge.

Duties of Principals.

Responsi-
bility and
Authority.

SECTION 73. Principals are responsible for the enforcement of the regulations of the Board, and for the general discipline of the schools in their respective buildings, and are invested with authority to make such rules not inconsistent with these regulations, and require such co-operation of the other teachers as may in their opinion be needful for the successful conduct of their schools. They shall themselves be subject to all regulations of the Board relating to teachers.

SECTION 74. They shall exercise a vigilant supervision over their respective buildings and grounds, and

see that they are kept in a neat and wholesome condition. Any continued neglect of duty on the part of janitors they are to report to the Commissioner of Public Buildings. Defects in the heating or sanitary arrangements of the building and needful repairs are to be reported to the Superintendent of Schools.

Supervision
of Buildings
and Janitors.

SECTION 75. They shall receive all applications for admission to their schools, assign each pupil to his proper class, and use their best efforts to secure regularity of attendance and to prevent truancy.

Admission
and Assign-
ment of
Pupils.

SECTION 76. They shall order from the Superintendent, on blanks provided for the purpose, whatever text-books and supplies may be needed in their schools, take charge of the same when received, and see that they are properly cared for and economically used by the teachers.

Supplies
Ordered.

SECTION 77. They shall carefully record the absences of their teachers and the times during which substitutes are employed, and send a report of the same to the Superintendent at the end of each school month.

Time
Reports.

SECTION 78. Principals are responsible for the correctness of teachers' registers, and shall examine them each month. They shall make such returns and reports as may be requested from time to time by the Board.

Registers.

SECTION 79. They shall see that all teachers in their buildings are provided with a copy of these regulations, and are immediately informed of any changes in them, and of any directions for the management of their schools issued by the Board or the Superintendent. They shall see that all rules and directions are uniformly interpreted.

Changes in
Rules.

SECTION 80. They shall give such instructions to teachers and pupils as will enable them to act prudently and promptly in case of fire or other emergency, and shall train the pupils to leave the building in order, and speedily, on the striking of the emergency alarm. They shall see that the doors by which the pupils leave the building are unlocked during school hours, unless provided with means by which they may be easily opened in emergencies.

Emergency
Alarm.

They shall see that fire-drills are practiced in their respective buildings at least once in every two weeks, provided that the weather conditions are suitable.

SECTION 81. Principals shall patiently hear and impartially investigate complaints which may be made by parents or others, and shall use their best endeavors to redress any real grievances without reference to the Committee or Superintendent.

Complaints
to be Heard

SECTION 82. Principals of schools containing the

Supervising
Principals.

ninth grade shall be known as supervising principals or masters. They shall perform all the duties of principals as set forth elsewhere in these regulations. In addition to these duties, they shall instruct classes, examine and grade pupils, and supervise the instruction of teachers in their own schools. They shall counsel and aid teachers in all matters relating to their duties. They shall familiarize themselves with the methods of discipline employed by every teacher under their direction, and labor to secure the best methods.

Supervising principals shall teach at least twelve hours per week.

Duties of Teachers.

To Observe
Regulations.

SECTION 83. All teachers connected with the public schools are required to make themselves familiar with the provisions of these regulations, and especially that portion of them relating to their school duties, and to observe and enforce them faithfully.

Absence.

SECTION 84. No teacher shall be absent from duty except for personal illness or emergency, unless permission has first been obtained from the Superintendent, and the Superintendent shall be notified of the time when the teacher may be expected to resume his or her duties.

Punctuality.

SECTION 85. Principals shall be in their respective buildings twenty minutes before the time of opening school. They shall see that the outside doors are open for the admission of pupils fifteen minutes before the opening of each session.

In cold and inclement weather they shall provide suitable shelter and care for little children who may have come to school earlier.

Tardiness
Reported.

Every teacher shall be in her schoolroom ready to receive her pupils fifteen minutes before the beginning of each session. The tardiness of teachers shall be regularly reported to the Superintendent.

Moral
Instruction.

SECTION 86. Teachers shall punctually observe the hours appointed for opening and dismissing the schools, and during school hours shall faithfully apply themselves to their duties. In all their intercourse with their scholars they shall strive to impress on their minds, both by precept and example, the great importance of earnest efforts for improvement in morals, manners, and deportment, as well as in useful learning.

Pupils shall be carefully instructed to avoid idleness and profanity, falsehood and deceit, and every wicked and disgraceful practice, and to conduct themselves in an orderly and proper manner; and it shall be the duty of the teach-

ers, so far as practicable, to exercise a general supervision over them in these regards, both in and out of school.

SECTION 87. Teachers must aim at such discipline in their schools as would be exercised by a kind and judicious parent in his family. They shall avoid corporal punishment in all cases where good order can be maintained by milder means. In no case shall they resort to confinement in closets or dressing rooms, or to any form of cruel or unnatural punishment. Blows upon the head are expressly prohibited. Ridicule, provoking sarcasm, and all harsh expressions are to be studiously avoided. If the principal recommends the use of corporal punishment, let it be restricted to blows upon the hand, but administered with prudence and deliberation, always after school hours, in the absence of other pupils, and after twenty-four hours shall have intervened.

Discipline.

Corporal
Punishment.

Teachers must record in a book furnished for that purpose, all cases of corporal punishment, giving the date, the name of the pupil, the offence, and the nature and extent of the punishment inflicted, and report the same to the Superintendent through the principal.

By corporal punishment is understood any infliction whatever of bodily pain, or application of physical force.

SECTION 88. Teachers shall be responsible for the discipline of their schools. Appeals to the principal or committee, in ordinary cases, tend to weaken the influence of the teacher, and should be avoided.

Appeals.

When a pupil refuses to receive punishment from his teacher, his case shall be referred to the principal for treatment.

SECTION 89. In cases where the conduct and habits of a pupil are found to be immoral and injurious to associates, it shall be the duty of the principal, with the advice of the standing committee, to suspend such pupil from school.

Suspension
of Pupils.

SECTION 90. For flagrant or repeated acts of misconduct or for extreme disobedience and insubordination, after other means of reformation have been tried in vain, the principal of the school may suspend a pupil, provided that such case of suspension, with the reasons therefor, shall be reported in writing to the parent or guardian of the pupil, and also to the standing committee, within twenty-four hours after its occurrence. Any child under suspension, who shall express regret for his fault, and whose parents or guardian shall promise co-operation in the enforcement of the regulations, may be reinstated by the standing committee on such conditions as shall be thought best; but, if such suspension is continued by the standing com-

Reinstatement.

mittee, the pupil shall not be admitted into any school in Somerville except by vote of the Board.

Pupils sent
from School

SECTION 91. No pupil shall be sent from school for purposes of discipline unless he is suspended by the principal.

Truancy.

SECTION 92. Teachers are expected to use all suitable means to prevent truancy and to reclaim truants. When such means prove inadequate, the principal shall report offenders to the truant officer, who shall return them to school and give suitable warning of the consequences of their offence.

Quarterly
Reports.

SECTION 93. Quarterly reports of the standing of pupils of the high and grammar schools, showing attendance, deportment and scholarship, shall be sent to parents and guardians for their examination and signature.

Registers.

SECTION 94. There will be kept in every school a register of the name, age, dates of admission and discharge, absences, tardinesses, dismissals, and half days of truancy of each pupil. Principals shall be responsible for the correctness of said register, and for the proper returns from it to the Superintendent.

Classes in
Sections.

SECTION 95. Teachers whose pupils are all of one grade shall divide their classes into two sections, that as far as practicable one section may be studying while the other section are reciting.

Home
Study.

SECTION 96. A reasonable amount of home study may be required of pupils in the high schools. Home study required of grammar school pupils shall not exceed one-half hour in the seventh grade, forty-five minutes in the eighth grade, and one hour in the ninth grade.

Pro-
grammes.

SECTION 97. During the first month of the school year each teacher shall prepare two copies of the programme of the daily exercises of his school, one to be kept in the school room, accessible to the substitute teacher, and one for the Superintendent.

Ventilation.

SECTION 98. It shall be the duty of all teachers to give frequent and vigilant attention to the ventilation, temperature, and light of their schoolrooms. A regular system of ventilation shall be practiced, as well in winter as in summer by which the air in the schoolrooms shall be effectually changed during recess and at the end of each school session. The schoolroom should be kept at a uniform temperature of sixty-eight degrees F., as shown by a thermometer hung in a central place at the level of the pupils' desks.

Temper-
ature.

Visits of
Teachers.

SECTION 99. Teachers, by direction of the Superintendent, shall visit other schools occasionally, to observe the discipline and instruction of the same. During the absence

of teachers for this purpose the Superintendent shall provide substitutes for their schools.

SECTION 100. It shall be the duty of teachers to encourage their pupils to adopt some systematic course of general reading, to advise them in the selection of such books as will improve their taste and cultivate a love for good reading, and to co-operate in efforts to extend the advantages of the Public Library to the pupils of the schools.

Reading and
Public
Library.

SECTION 101. Teachers shall not allow themselves to be interrupted in their work by prolonged interviews, even on matters relating to the school; nor shall they allow the suspension of their regular duties or changes in their programmes on account of the visits of other teachers or personal friends.

Interrup-
tions of
Teachers.

SECTION 102. Unless specially excused by the Superintendent, teachers shall attend all meetings called by the Superintendent or the Board for their benefit and professional improvement by means of lectures, discussions, or otherwise.

To Attend
Meetings.

SECTION 103. The course of study and the time schedule of different studies adopted by the Board and made a part of these Regulations must be faithfully followed in accordance with the directions therein given, and no other text-books than those authorized by the Board shall be used in the schools.

Time
Schedule
and Course
of Study.

SECTION 104. No persons except those appointed for the purpose by the Board or those officially connected with the schools shall be allowed to give instruction or deliver lectures in the schools.

Unauthor-
ized In-
structors.

SECTION 105. No advertisement shall be given in any school or distributed or posted on school premises, nor shall any agent or other person be permitted to enter any school building for the purpose of securing subscriptions, presenting articles for sale, photographing pupils, copying names from school registers, or transacting any other private business without permission of the Board, presented in writing. The sale of books or stationery to pupils by teachers is prohibited.

Advertise-
ments, Book
Agents, etc.

SECTION 106. The use of tobacco in any form on school premises, or by pupils on the way to or from school, is strictly prohibited. Principals and teachers are especially enjoined to use their influence to enforce this prohibition. Pupils violating this rule may be temporarily suspended, and shall not return to school without the written permission of a member of the standing committee or the Superintendent.

Use of
Tobacco.

SECTION 107. No contribution or collection of money for any purpose shall be permitted in any school without

Contribu-
tions Pro-
hibited.

consent of the chairman of the standing committee in charge thereof.

Co-operation
of Teachers.

Not to
Engage in
Other
Business.

SECTION 108. Teachers are expected to co-operate heartily with the Superintendent, principal, and with one another in promoting the interests of the schools. During the school year they shall engage in no business or employment for salary or wages except that for which they are hired and paid by the City of Somerville, without the consent of the standing committee in charge of the school or department.

SECTION 109. Teachers regularly employed in the day schools shall not be eligible for employment in evening schools, except by the vote of the standing committee having their day school or department in charge.

GENERAL REGULATIONS OF THE PUBLIC SCHOOLS.

Regulations Common to All Schools.

SECTION 110. The public schools of Somerville shall be classified as Kindergartens; Primary schools containing the first, second, and third grades; Grammar schools containing grades four to eight, inclusive; the High School, containing four grades to be designated as the first, second, third, and fourth classes, the first being the ninth grade or entering class; Day Vocational schools having courses two years in duration for persons over fourteen years of age; atypical and special classes; Elementary Evening schools for persons over fourteen years of age; and an Evening High School.

Classifica-
tion of
Schools.

SECTION 111. The school year shall begin and end on such dates as shall be determined annually by the School Board at its regular February meeting.

School Year

SECTION 112. The following shall be the holidays and vacations granted to all the schools:—

Holidays.—Every Saturday; October 12; Thanksgiving Day, together with the afternoon preceding and the Friday following it; February 22; Patriots' Day; Memorial Day; June 17. Whenever any holiday falls on Sunday the schools shall be closed on the following day.

Holidays.

Vacations.—The week in which the 25th of December occurs; the two weeks that separate the last twenty-four weeks of the school year into three terms of eight weeks each; from the close of the school year to the time fixed for its beginning.

Vacations.

The Chairman of the School Committee may dismiss all the schools on extraordinary occasions of general interest.

Special
Holidays.

SECTION 113. The high schools shall hold a five-hour session on each school day beginning at 8.15 o'clock.

Sessions.

The grammar and primary schools shall hold a morning session from 9 o'clock until 11.45, and an afternoon session from 1.30 o'clock until 3.30.

The sessions of the kindergartens shall extend from 9 o'clock until 12.

SECTION 114. In case of severe storm or excessive heat or cold the Superintendent is authorized to announce the omission of the next session of the schools by striking the signal 5-5 twice on the fire alarm bells. The storm signal for the high schools shall be struck at 7.30; for all other schools forty-five minutes before the opening of the session.

Storm
Signal.

SECTION 115. The morning session of all schools

Scriptures
to be
Read.

shall commence with the reading by the teacher, without comment, of a selection from the Scriptures in accordance with the laws of the Commonwealth.

Recesses.

SECTION 116. There shall be twenty-five minutes of recess in the high schools at such time as the head master shall choose.

In elementary schools there shall be a recess of ten minutes midway of the morning session.

In the first three grades of the elementary schools there shall be a recess of seven minutes midway of the afternoon session. This recess may be allowed in other grades of elementary schools by the principal.

Pupils shall not be required to take an open-air recess in inclement weather.

No pupil shall be deprived of any portion of the regular recess of his class.

Admission
of Pupils.

SECTION 117. Pupils shall be admitted to school and assigned to their proper grades by the principal, who shall require satisfactory evidence that they reside within the district, are of the proper age, and have complied with the law regarding vaccination.

Beginners shall be admitted to the first grade during the months of September and February. Any child six years of age, or who will attain that age before the first of October following, shall be eligible for admission in September. Any child six years of age, or who will attain that age before the first of March, shall be eligible for admission in February.

SECTION 118. Residents of other cities and towns, and children residing in Somerville for the sole purpose of attending school, shall be admitted to school only by special permit of the Superintendent, who shall require evidence that tuition has been paid for the year or half-year before granting said permit.

The tuition for non-resident pupils shall be a sum equal to the average expense per pupil during the year next preceding in the school they are to attend.

Contagious
Diseases.

SECTION 119. No person affected with any contagious disease shall be allowed to attend the public schools. No person who is a member of a household in which a person is sick with smallpox, diphtheria, scarlet fever, or measles, or of a household exposed to contagion from a household as aforesaid, shall attend any public school during such sickness, or until the teacher of the school has been furnished with a certificate from the board of health of the town or city, or from the attending physician of such sick person, stating in a case of smallpox, diphtheria, or scarlet fever that a period of at least two

Quarantine.

weeks, and in case of measles a period of at least three days, has elapsed since the recovery, removal, or death of such person, and that danger of the conveying of such disease by such person has passed. [See Section 162.]

SECTION 120. Pupils shall attend school only in the district in which they reside, except by permission of the Superintendent. A pupil who changes his residence during the latter half of the school year may, if his parents so elect, complete the year in the school that he has been attending.

Transfer
of Pupils.

SECTION 121. When a pupil changes his residence with the intention of entering another school, he shall receive a discharge card showing his age, grade, and the number of weeks of attendance during the school year. This card shall admit him to the same grade in any school in this city which he may enter.

Discharge
Cards.

SECTION 122. Every pupil must come to school cleanly in person and dress, and with his clothes properly repaired. In case of neglect in this respect, the teacher may send the negligent pupil home, to be suitably prepared for school.

Cleanliness.

SECTION 123. Pupils shall be prompt and regular in their attendance. In case of absence, tardiness, or dismissal a written or personal explanation from the parent or guardian shall be required. Tardiness, without a written or personal explanation from the parent or guardian, is accounted a misdemeanor. A pupil who is tardy without a satisfactory explanation shall not be sent home, but shall be required to furnish it subsequently.

Attendance
of Pupils.

SECTION 124. If any pupil of the high school is absent two days in four consecutive weeks, or any pupil in the grammar schools is absent six half-days in four consecutive weeks, except for causes satisfactory to the principal, he shall not return without a written permit from the standing committee of his school, or the Superintendent.

Suspension
for Absence.

SECTION 125. No pupil belonging to a public school shall be absent from school or excused from any school exercise in order to receive regular instruction elsewhere.

Absence for
Special
Instruction.

SECTION 126. In recording the attendance of pupils teachers shall observe the following rules:—

1. Every pupil who enters the room after the time for beginning the session shall be marked tardy.

Marking
Attendance.

2. Every pupil who leaves school at the request of his parents or guardian before the close of a session shall be marked dismissed.

3. Every pupil not present at least one-half of the session shall be marked absent.

4. Whenever a pupil is suspended from school, his name is to be taken at once from the roll of membership.

5. Whenever a pupil leaves school without the intention of returning during the school year, he shall be disenrolled, but any absences recorded against him before the fact of his leaving comes to the knowledge of his teacher shall remain.

6. After a pupil has been absent ten consecutive days for any cause, his name shall be taken from the roll, but the absences recorded against him shall stand.

Detention
of Pupils.

SECTION 127. No pupil shall be detained for any purpose after the close of the morning session. Detention at other times shall in no case exceed thirty minutes, and shall be for *willful neglect of duty only*.

Injury to
Property.

SECTION 128. Any pupil who shall deface or injure any school property shall be required to pay in full for all damages.

Calls at
Door.

SECTION 129. Pupils shall not be permitted to answer calls at the door, except from parents and guardians, or their accredited messengers.

Kindergartens.

Authority
to Open.

SECTION 130. Kindergartens may be established and maintained by the Board whenever it is deemed wise.

Age of
Admission.

SECTION 131. Children between five and six years of age may be admitted to the kindergarten nearest their homes during the months of September and February.

Number of
Pupils.

SECTION 132. A kindergarten shall contain not less than twenty nor more than fifty pupils. An assistant may be employed when the number exceeds thirty.

Sessions.

SECTION 133. The sessions of the kindergarten shall be from 9 to 12 o'clock. Teachers shall employ their afternoons from 2 to 4, except when the time is needed for preparation for their work, in visiting the homes of their pupils to confer with parents in promoting the interests of the children and securing regularity of attendance.

Promotions and Graduation.

Regular
Promotions.

SECTION 134. Regular class promotions in the schools shall be made at the end of and in the middle of the school year, according to the judgment of the class teacher, the principal, the Superintendent, and the district committee.

Individual
Promotions.

SECTION 135. Individual promotions shall be made whenever, in the judgment of principal, Superintendent, and chairman of the district committee, the interests of pupils require them. It is especially enjoined upon prin-

cipals to make such arrangement of classes and apportionment of work as will give constant employment to pupils of varying degrees of ability, and to advance the whole or any portion of a class as rapidly as possible, irrespective of the grade limitations of the courses of study.

Apportion-
ment of
Work.

SECTION 136. In the high and grammar schools the basis of promotion shall be the teacher's estimate of the oral and written recitations and effort of the pupil, which shall be recorded and reported to parents at least quarterly.

Basis of
Promotion.

Written test examinations, not exceeding one hour each, may be given at any time without previous announcement by the teachers, principal, or Superintendent, not as an exclusive basis of promotion but as aiding teachers to correct estimates, showing results or indicating lines of instruction.

Examina-
tions.

SECTION 137. Teachers' estimates shall be indicated by one of the following terms:—

Marking of
Estimates.

Excellent	E, A, or 5	Unsatisfactory	U, D, or 2
Good	G, B, or 4	Poor	P, E, or 1
Fair	F, C, or 3		

As far as possible, the standard and terms used in marking shall be uniform in each school.

SECTION 138. All pupils whose scholarship record as shown by teachers' estimates averages "fair" shall be unconditionally promoted to the next grade, provided their conduct and effort through the year have been satisfactory.

Uncondi-
tional
Promotions.

Pupils who fall below the standard of promotion may be conditionally promoted to the next grade on trial for two months provided their age, character, capacity, and best interests seem to justify it.

Conditional
Promotions.

Parents of pupils promoted conditionally shall receive notice of the fact, and shall receive monthly statements from the teacher showing the progress of their children.

Parents
Notified.

SECTION 139. The standard and method of promotion from the grammar schools to the high schools shall be the same as from grade to grade in these schools.

Admission
to High
Schools.

Grammar school pupils promoted to a high school grade shall receive certificates of qualification signed by the principal, which shall secure their admission to either high school.

SECTION 140. At the beginning of the school year there shall be an examination of applicants for admission to the high school under the direction of the committee on high schools. A fair knowledge of the studies of the grammar schools shall be required for admission. The questions shall be prepared by the Superintendent,

Examination
for High
School

and approved by the chairman of the high school committee.

Transfer to
Lower
Grade.

SECTION 141. Pupils who have fallen behind their grade by absence, indolence, or inability may be transferred to a lower grade, provided that no such transfer shall be made unless parents have received at least four weeks' previous notice, and the principal, the Superintendent, and the chairman of the committee in charge of the school concur therein.

Diplomas.

SECTION 142. Pupils in the grammar and high schools who have honorably completed the prescribed course of study to the satisfaction of the principal, the Superintendent, and the standing committee in charge of the school shall receive diplomas of graduation.

Graduation
Exercises.

SECTION 143. The graduation exercises of the grammar schools shall be under the direction of a special committee, composed of the chairmen of the several district committees.

The graduation exercises of the high school shall be under the direction of the standing committee on high school.

Public
Visitation.

SECTION 144. While it is understood that the schools are always open to the inspection of parents and citizens, the last school week in May of each year is especially set apart as public visitation week for the grammar and primary schools. The last school Wednesday in May is assigned as public day for the high schools.

No departure from the regular work of the schools shall be made on public days.

Exhibitions.

SECTION 145. Exhibitions of the regular work of any school or department may be made at the option of the standing committee in charge of the same.

Evening Schools.

SECTION 146. Evening schools for adults of both sexes, and for children over fourteen years of age who are unable to attend the day schools, together with a school for industrial drawing, shall be established by the committee on Industrial Education, as they may deem necessary, subject to the approval of the Board.

SECTION 147. The committee on Industrial Education shall have general charge and supervision of all evening schools, and each school may be placed under the special charge of one member or more of that committee.

Numbers.

SECTION 148. No school shall be open until fifty persons have pledged themselves to attend regularly. When the average number attending any school for four consecutive sessions is less than twenty-five, the school shall be closed.

SECTION 149. Applications for admission to the evening school for persons under eighteen years of age must be made by parent or guardian. Applications
for
Admission.

No person shall attend the school of industrial drawing who is under fourteen years of age.

SECTION 150. Teachers in the evening schools shall be designated as masters, sub-masters, and first, second, and third assistants. Each elementary school having an average attendance for four consecutive evenings of twenty-five pupils may have a master and one first assistant; an additional first assistant may be allowed for every twenty-five pupils in excess of that number. Teachers.

SECTION 151. The principal shall be responsible for the management of the school. He shall keep a record of the name, age, residence, and occupation of each pupil, and an accurate record of attendance. He shall have charge of, and be responsible for, all books and supplies furnished for his school. Duties of
Principal.

SECTION 152. The first term of the evening school shall begin on the first Monday of October and continue ten school weeks. The second term shall begin on the date of the opening of the day schools after the Christmas vacation, and shall continue ten school weeks. The term of any school may be shortened by the Committee on Industrial Education. The sessions of the evening schools shall be held on such evenings as may be determined upon by the Committee on Industrial Education.

SECTION 153. The sessions of the school shall begin at half-past seven o'clock, and close at half-past nine o'clock. The rooms shall be open and the teachers present fifteen minutes before the time for the sessions to begin. Sessions.

SECTION 154. Any pupil who is absent from school four consecutive evenings, without satisfactory excuse, shall forfeit his membership, and shall not be readmitted unless by written permission of some member of the committee having the school in charge. Absence.

SECTION 155. A pupil may be suspended for disorderly conduct by the principal, and such pupil shall not be readmitted without a permit from the Superintendent or some member of the committee in charge. Suspension.

SECTION 156. Certificates of attainment and diplomas of graduation shall be given to evening school pupils as the committee may determine. Diplomas.

Text-Books and Supplies.

SECTION 157. All text-books and supplies used in the public schools shall be furnished by the City in ac- Free
Text-Books,

cordance with the requirements of the law relating thereto.

Care of
Books.

SECTION 158. Teachers are responsible for all books furnished them for the use of their classes. They will make an entry of them when they are received in a book provided for the purpose, and will account for them to the Superintendent at the close of each school year.

To be
Charged to
Pupils.

SECTION 159. All books shall be labelled, numbered, and charged to pupils before they are distributed. Upon the label in each book, the name of the pupil using the book shall be written.

Same Books
to be Used.

SECTION 160. As far as practicable, each pupil shall use the same books during the entire course. Books of promoted pupils will be credited to the teachers whom they leave, and charged to their next teachers.

Inspection
of Books.

SECTION 161. Teachers will carefully examine all city books at least once each term, and report all injuries or loss of books as soon as discovered to the principal or the Superintendent, with the names of the pupils to whom such lost or injured books were loaned.

Books to be
Discharged.

SECTION 162. When any book is worn out or so injured that it is no longer fit for use, it shall be discharged from the teacher's account. Books used in the homes of pupils excluded from school on account of diphtheria, smallpox, or scarlet fever shall be destroyed.

Requisitions
for Supplies.

SECTION 163. In January and May of each year principals shall indicate to the Superintendent, upon blanks furnished for the purpose, such text-books and supplies as will be needed in their several buildings during the succeeding five months.

Requisitions for all text-books shall first be submitted to the committee on text-books, to take such action with regard thereto as they may think advisable.

All requisitions for books or supplies shall be made in writing to the Superintendent.

The receipt of books and supplies must be promptly acknowledged to the Superintendent on blanks supplied for the purpose.

District Lines, Etc.

School
Districts.

SECTION 164. For the sake of convenient supervision, the schools of Somerville are grouped into seven districts, which are identical in their boundaries with the seven wards into which the city is divided.

Appeals.

SECTION 165. In all cases arising under these regulations or under any orders of the Board, appeals may be taken from the decision of the teacher to the Superintendent, and from the Superintendent to the proper stand-

ing committee, and from the standing committee to the Board, and the decision of the majority of the Board shall be final. The person so appealing to the Board shall state in writing his grievance and the relief desired.

SECTION 166. These rules and regulations shall take effect on their passage, and all previous rules, votes, and resolutions of the Board inconsistent therewith are hereby repealed.

Regulations
take Effect.

SECTION 167. No minor under the age of sixteen years shall in any street or public place of the city of Somerville work as a bootblack, or sell or expose for sale any books, newspapers, pamphlets, fuel, fruits, provisions, ice, live animals, brooms, agricultural implements, hand tools used in making boots and shoes, agricultural products of the United States, or the products of their own labor or the labor of their families, unless he has a minor's license issued to him by the Superintendent of Schools of said city, for so working or for so selling said articles, nor unless he complies with the terms of said license.

SECTION 168. The principal of the school in which a minor under the age of sixteen years is a pupil shall receive the application, in duplicate, of the parent or guardian of such a minor or next of kin, for a license for such minor to work as a bootblack or to sell any or all of the articles enumerated in the preceding section, and shall forward the same to the Superintendent of Schools, accompanied by the certificate of the teacher in whose class said minor may be, and of the said principal, that such minor is an attendant at such school and that they approve of the granting of a license to said minor. When the Superintendent authorizes the issue of a license, he shall return to said principal one of said duplicate applications, for filing, retaining the other, and shall issue said license to such minor authorizing said minor to go about from place to place in the city of Somerville and on the sidewalks in said city to sell newspapers, or to work as a bootblack, or in the streets and other public places in said city to sell any or all of the other articles enumerated in the preceding section, and shall provide such minor with a suitable badge, for which a charge of twenty-five cents shall be made. Every such license shall be issued and accepted on condition that the minor shall comply with the conditions of his license as contained in the following section, and said section shall be printed in the license.

SECTION 169. The minor shall conform to the statutes and the Regulations of the School Committee of Somerville; shall surrender his license and badge when notified that his license has been revoked, to the principal aforesaid, who shall return the same immediately to the Super-

intendent; shall not transfer or lend his license or badge, nor furnish any unlicensed minor with newspapers or other articles to sell; shall not sell newspapers in or on any part of the street other than the sidewalk; shall not sell newspapers in or on a street car, nor, except on the days of national, state, or city elections, after 8 o'clock in the evening; shall not work as a bootblack, or sell newspapers, unless he is over twelve years of age; shall not sell any other article than newspapers, unless he is over twelve years of age; shall not at any time while engaged in working as a bootblack, or selling articles in public places, congregate with other persons, nor make any unnecessary noise, nor in any way disturb or annoy persons as they pass, nor cry their papers on Sunday, nor occupy any stand with any other person, nor allow any unlicensed minor to assist or accompany him, nor allow idle persons to assemble or congregate around him, or around any stand occupied by him, nor so work or sell in any place other than that specified in his license, when a place is so specified, nor at any time, while so working or selling, fail to wear conspicuously in sight the badge furnished to him by said Superintendent, nor fail to exhibit his license to any police or other officer of said city if requested by him to do so. The Superintendent may suspend or revoke said license upon the violation of any of the conditions thereof, and the minor shall surrender his badge and will be subject to a fine.

SECTION 170. Before the opening of the schools in September of each year the Committee on Text-Books and Courses of Study shall nominate for election by the Board not more than twelve women who shall be designated as cadet teachers, to serve for one year following their appointment, at a salary not to exceed \$200 per year each.

To be eligible for the position of cadet teacher, the candidate must be a graduate of one of the Somerville high schools, and also a graduate either of some state normal school or of some college having pedagogical courses, one or more of which courses the candidate must have taken.

SECTION 171. The cadet teachers shall be assigned by the Superintendent to an equal number of elementary schools, and the assignments shall be changed at the end of each term of thirteen weeks, so that by the close of the school year each cadet teacher will have practiced under the direction and observation of three different principals in three different school buildings.

Cadet teachers shall receive guidance, instruction, and criticism from the principals of the schools in which they serve, render assistance to class teachers or to individual pupils, and whenever possible act as substitutes in the ab-

sense of regular teachers. They shall receive no increase of pay when acting as substitutes.

SECTION 172. Such of these cadet teachers as secure the recommendation of three out of four of the following officials: the three principals under whom they have served during their cadet year and the Superintendent of Schools, shall be eligible as grade teachers.

Definitions of Terms Used in the Foregoing Rules and Regulations.

Board. The School Committee of Somerville.

Principal. Head master, master, or other teacher in charge of a school.

Teacher. Any person who, under the direction of the Superintendent, is engaged in the instruction of pupils or in supervising their instruction.

PUBLIC LIBRARY.

BOARD OF TRUSTEES AND OFFICERS.

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DREW B. HALL	Secretary and Librarian

Committees.

Administration—Wellington, Parker, Noyes; the President.
Books and Catalogues—Barber, Yates, Buffum; the President.
Buildings and Grounds—Dolben, Woods; the President.

REPORT OF THE TRUSTEES.

To the Honorable, the Mayor, and the Board of Aldermen of
the City of Somerville:—

Gentlemen,—The forty-second annual report of the
trustees of the public library is herewith respectfully sub-
mitted accompanied by the report of the librarian and con-
densed tables of statistics of operation.

Very respectfully,

THOS. M. DURELL,
President.

Adopted by the Board of Trustees
March 2, 1915.

THE PUBLIC LIBRARY

Central Building, Highland Avenue.

Week days, holidays excepted, 9 a. m., to 9 p. m. Sundays, reading and reference only, 3 to 6 p. m. Children's room, school days, 3 to 8 p. m.; other week days, 9 a. m. to 8 p. m.; Sundays, 3 to 6 p. m.

Branches

Week days only, holidays excepted.

WEST SOMERVILLE, 40 College Avenue—1 to 9 p. m.

Saturday, 9 a. m., to 1 p. m., also.

EAST SOMERVILLE, 153 Perkins Street, 2 to 9 p. m.

UNION SQUARE, Washington Street and Bonner Avenue—2 to 9 p. m.; after 6 p. m., children under fourteen admitted only for exchange of books.

SOUTH AGENCY, 518 Somerville Avenue.

THE STAFF AS OF DECEMBER 31, 1914.

GRADED—PROFESSIONAL.

DREW B. HALL, Librarian

LUCY B. CRAIN, Assistant Librarian, in charge of circulation, of staff personnel, and of "Central," and supervising children's work.

NELLIE M. WHIPPLE, Assistant Librarian in charge of West Somerville Branch.

Edith B. Hayes, Chief Cataloguer.

Alice G. Higgins, Special Assistant in the Children's Room.

Esther M. Mayhew, Reference Librarian.

Lucinda F. Spofford, Branch Librarian, Union Square.

Carrie L. Williams, Branch Librarian, East Somerville.

Mabel Williams, High School Librarian.

Mabel E. Bunker, Assistant Branch Librarian, West Somerville.

Bessie L. Duddy, Secretary and Accounts.

Helen Luitwieler, Classification and Reference.

Anna L. Stone, Cataloging.

Mary S. Woodman, Classification and Reference.

SENIOR ASSISTANTS.

Esther P. Allen, Circulation. Helen P. Smith, Circulation.

Bessie S. Cobb, West Somerville. Elsie K. Wells, Cataloging.

Rose Greenberg, East Somerville. Ruby G. White, Circulation.

Ethel M. Nute, Union Square. Edna C. Woodbury, Circulation.

JUNIOR ASSISTANTS.

Susan W. Curtis.

Ruth S. Fales.

Juliana Donovan.

Myrtle Nicholson.

Nectar M. Eksergian.

Esther W. Shaw.

Anna B. Truesdale

UNGRADED—CLERICAL.**Typewriters.**

Mary Morgan.
C. Pearl Russell.

Esmeralda Biathrow.
Marion L. Fall.

Pages.

Lawrence H. Gerritson.
Gordon Hall.
Hugh E. Maguire.
Margaret T. Desmond.

Mae L. Gormley.
Lillian M. McGowan.
Anna T. McNeill.
Hazel Moore.

High School Attendants and Pages on Part Time.

George Anderson.
William J. Hession.
Ronald A. Moore.
Edna D. Atwood.
Frances E. Haggens.
Ruby Harper.

Helen F. Holahan.
Marion J. Lindsley.
Ethel G. McNeill.
Agnes C. Riley.
Bertha M. Robertson.
Beatrice M. Wilson.

REPORT OF THE LIBRARIAN.

To the Trustees of the Public Library of the City of Somerville:—

Gentlemen: The forty-second annual report of the Librarian is herewith submitted, being that for the year 1914, and including reports by heads of the various departments.

Buildings.

The four buildings occupied by the library are in good working condition, although no repairs or improvements have been made to any of them. The new Central building, of course, should not need repairs, but during 1915 efforts should be made to complete its interior finish by tinting with oil paints the white plaster walls which were left to dry thoroughly. Beside the uncomfortable glare of pure white, the dirt of the builders' mechanics and of a year's operations make them unsightly. Despite this easily remedied defect, the building is acknowledged to be the finest in the city, and one for the citizens to be proud of; and its comfortableness and economy of administration are continually remarked on by citizens and by visitors experienced with library buildings in this and other countries.

A year ago I said, "Nowhere in the city's activities would a few hundreds (not thousands) of dollars do so much for the pleasure and good of the community as spent in providing children's rooms at West Somerville and Union Square. At East Somerville the need is as great, but the expense much larger." The truth of this statement is more widely appreciated by the citizens of these neighborhoods today than a year ago. If expressions made at the library desks mean anything, the people would vote overwhelmingly to give both adults and children a better chance by freeing adult rooms from children.

This situation is especially acute in the very small room at East Somerville, which is only eighteen by thirty-six feet. Its very smallness and lack of shelf space and seating capacity make it more difficult and extravagant to administer for the accomplishment than any other building, and the satisfaction received by the citizens less. This branch ought to be transferred immediately to larger quarters, preferably in some present or future city-owned building.

The Changing Type of Books and Use.

New England libraries were established years ago; this in Somerville over forty years ago. Books then dealt with literary and historical subjects only. Consequently New

England libraries unconsciously feel that books for public library use are histories, literature, travel and allied subjects. They do not naturally and habitually include in their conception books on trade, business, mechanics and technology. Now today a large part of the citizens are concerned with those matters; and they find the public library lamentably weak in their concerns. This library among other New England libraries, ought to give immediate attention to the needs of the young engineer, draftsman or business man, who is anxious to improve his position; this library needs to add immediately two to five hundred volumes on the practical arts.

Circulation.

Twenty per cent. more books of non-fiction have been taken for home use this last year than ever before. Two years ago the time limit on non-fiction was extended from two weeks to a calendar month without decrease in the circulation figures of such books and without discoverable annoyance to readers. To guard against unreasonable delay of a second user who wanted a book that was out, we reserved the right to recall any volume after two weeks; but during this year less than a dozen such recalls were requested, an infinitesimal percentage of the total issue.

Fiction

If issuing a current novel for seven days is a twenty-five-cent sale, then issuing a standard novel approved by years of experience for fourteen days is a fifty-cent sale at least, and issuing a work of non-fiction for a month is surely a dollar sale and more. Circulation figures are merely a count of the number of sales; they tell nothing whatever of the real volume of service rendered, either as reckoned on the basis of days of use given, or of quality and exact suitability of the book to the reader's purpose.

It is the rule of this library to allow only one novel at a time to a person. We all know that in our personal experience we frequently desire to take more than one at a time. If the satisfaction of this desire is good for us, and the novels are reasonably good novels, then it would seem that an extension of the number of novels would be good for all the citizens of Somerville. Various possible difficulties raised two years ago against extending the time limit on, and removing the number limit from, non-fiction have not arisen at all in practice. Careful consideration of the question of fiction loans lead me to recommend it for your consideration and action in the near future.

Accessions.

The library adds eight thousand volumes a year; a great number to be sure and enough to fill completely eight hundred running feet of shelving, but a smaller number than needed by the citizens who actually use the library. Within two years, 18,174 names have been placed on the new registration and their cards as well as the remaining ones of the previous registration used in drawing books. At this moment 18,000 persons are actively using the library; among this number 8,000 volumes goes a small way. More books are urgently needed.

Another test of this need which is also an indication of the service rendered home users, is a "cross section" of the library's volume of issue. Such a cross section is not determined and reported in library statistics; at least not habitually. But on December twenty-first, not the busiest time of the year, a cross section was taken here by counting the number of book cards in the time trays, which represent volumes actually in the hands of the citizens at one moment. This number was 11,948 on personal cards; beyond this there were 4,825 volumes out in various stations; a total of 16,773 volumes out of the library and in use.

High School Library.

In December, 1913, the School Committee agreed with the Public Library trustees to employ jointly a member of the library reference staff as High School librarian. This co-operative arrangement seems to me the best plan of the several in practice. For it gives the closest connection and official recognition between the great store of books in the public library and the great body of citizens, pupils and teachers in the school. If the High School library is not thus directly connected with the public library, the school loses very much of the possible use of books other than text-books, and the pupils fail very much in forming the habit of reading and thought which is necessary to the truly educated person.

This work has developed slowly but satisfactorily to both school and library. The teachers have a growing appreciation of what can be done in a school library by a specially trained librarian. Lack of seating capacity in the schoolrooms has necessitated there being assigned pupils in the library room, but we hope by another year the use of the library will be wholly voluntary. The High School Librarian has done much to increase the use of the public library through her knowledge of the various courses of study and has acquainted the teachers as well as pupils with the material available for their use. Deposits of books have been

sent from the public library to the High School library for three months to supplement the permanent High School collection and reserve study tables in the Book Room of the nearby Central library have been much used.

The Library Force

Besides buildings, books and reading citizens, a library must have a staff of competent librarians, trained each of them in some of the several special lines required, and each of these supported and aided by promising assistants capable of development for future responsibilities, and doing skillfully in the present routine duties.

The sudden expansion of the library force three years ago by opening at one time two new branches, and by your desire to meet the needs of citizens for more highly developed service, have required much attention. Since the library was already employing all the library workers living within the city and since long experience is needed for persons filling responsible positions, it has been necessary to add to the staff persons experienced in other libraries. This necessity of the situation brought to the staff fresh experience and points of view which have very materially strengthened it.

The "Scheme of Service" has in every way proved its value. Its preliminary examinations and three-months' actual trial have shown the fitness or unfitness of applicants for positions for the service of the citizens. The application blank signed and therefore read by every applicant for a position bears as a caption these words: "To serve successfully the citizens using the Public Library; the spirit of self-sacrificing helpfulness, tact, energy and strength, and as much knowledge of affairs and books as possible, are absolutely necessary." Many other things are necessary also but these are *absolutely* necessary.

For the conditions of library service are more difficult than the conditions of any other department of the city. The librarians deal with more persons, of more diverse ages and temperaments. They are called upon to answer questions concerning anything within the knowledge of man, rather than upon a special narrow line. These questions cannot be prepared for but must be answered quickly and accurately practically off-hand. The hours of service are the most trying and the longest. They extend through the whole year, and until six o'clock or nine o'clock every evening. At least two evenings are required a week and some Sunday work, and for conference and instruction fortnightly

special attendance is necessary. Since the most important and most numerous places require dealing with people, many of them boys and girls, tact, and disciplinary ability are strained to the utmost. So that none can be entirely successful without more than average ability and liking for "public contact" work.

Since the hours are so long that no one person can always be present, it is necessary that at least three persons be able to carry on each duty and process with equal facility and therefore that each duty and process be developed, understood and carried out with absolute accuracy.

The staff is now working with more singleness of purpose and more efficiency than any Somerville has yet seen, and with more harmony and perfect understanding of each others' merits and abilities. In fact some heads of departments are, I fear, over-spending themselves in work within the buildings and planning for it in hours without, supposed to be for recreation. There have been employed during the year eighty-three different persons, of whom thirty resigned; two-thirds were of the frequently changing ungraded pages, and ten from the regular graded library service. There are now fifty-three all told in the library service.

In General.

This year as in former years the library has taken an active part in matters beyond its walls and city limits. Your board entertained the Massachusetts Library Club at its January meeting, when many were the expressions of pleasure and satisfaction.

And on the evening of October 20, Mayor Cliff, ex-Mayors Burns and Glines, and some forty members of the city government and heads of city departments, were your guests on an inspection of the library system. The party was conducted in automobiles from City Hall to the several branches and to Central, where, after the closing hour, all members of the staff gathered and the whole company of eighty guests, trustees and staff enjoyed informally refreshments and general conversation.

At the other meetings of the State Club the library was represented by many members of the staff in turn. And during the year 1913-1914 the Librarian served as its president. He has also been invited by the president of the Women's Educational and Industrial Union of Boston to be the technical member of its library committee; and by its Appointment Bureau to deliver an address on the library profession in

the annual course on professional openings. The national body, the American Library Association, met in Washington, and its sessions covering five days were attended by three members of the staff. Various courses of lectures have been followed and various addresses given by members of the staff at the request of library clubs and commissions.

As in the past, you gentlemen have watched carefully over the interests of the institution. And though there have been an unusual number of matters claiming your careful attention the present result is worth while.

Very respectfully,
DREW B. HALL.
Librarian.

December, 31, 1914.

EXECUTIVE REPORTS.**Staff Personnel, Juvenile Supervision, and Central Building.****The Staff.**

The loyalty of the staff to the administration; the efficiency of the heads of the various departments and willingness on the part of all members to work for the best interests of the citizens of Somerville has been continually proved. Owing to the loss of several assistants, readjustments and additions to the staff have necessarily been made. The personnel has been given much time and thought, and more and more each member is being fitted into the work best suited to her taste and ability. Some outside courses of study have been taken this year as last. The Misses Truesdale and Donovan took the summer course in children's work given at Simmons College; Mrs. Spofford and Miss Mabel Williams are studying vocational guidance under Mr. Bloomfield and Misses Woodman and Donovan are taking Professor Copeland's course in English literature at Boston University, and Miss Morgan the evening high school course in English literature.

General staff meetings of all the staff have been held monthly at 8.45 a. m., and during the fall fortnightly. At these meetings instruction in technical procedure has been given and addresses by outside speakers, and discussions of books and practical experiences led by all members.

The apprentice class, which lasts only three months, does not claim to be a training school for library work. But it does give an untrained person a chance to become somewhat acquainted with the processes and various departments of the Somerville Library, and the library a chance to judge something of the natural ability of the person contemplating the work.

An entrance examination covering general subjects suitable for a High School graduate is passed before entering the class and at the end of three months one based on the work done in the library. The first week of training is devoted to observation and general talks on library work, the remaining weeks of the first and second months are spent in the reference and catalogue departments, and studying the arrangement of the books or classification. The course in reference work takes up comparative values of dictionaries and encyclopedias, the use of Reader's Guide, and other general reference books. The catalogue department gives instruction in the use of the catalogue, the shelf-

list and the many processes of preparing the book for circulation from the time it comes into the library. Two or three hours a day throughout the course are allowed the apprentices for study. The final month is spent at the Central delivery desk and at the branches, learning and practising circulation and registration rules and methods. No position is promised an apprentice, but if she passes both the technical examination and the experience rating, she becomes eligible for appointment to the lowest grade in the service when there is a vacancy.

Children's Department.

We have made a special effort to form a stronger tie between the work of the children's room and schools. These two departments of education are so closely allied that mutual co-operation of teachers and librarians is necessary for the best development of children.

We have appreciated the support of Mr. Clark the Superintendent, and the teachers. The usual school libraries have been sent and we believe have been, in some cases, at least, circulating more freely to the homes. Some teachers who had never visited the library before, came this year in response to the invitation to select their school collections, and many more sent requests for the library to make the selection. The Supervisor visited most of the teachers at least once, and always found a cordial welcome. In most visits she spoke briefly of the library to the children, and in some classes had some very interesting discussions about books. Next year classes will come to the library. A reference department has been added to the children's room which will increase in usefulness as both teachers and pupils realize its existence.

During the summer the playgrounds were visited by the Supervisor and other assistants, with an invitation to the children to come to the library. A special collection of books on useful arts, folk dancing and stories was placed in the children's room for the use of the playground teachers.

During the year meetings have been held by the Supervisor with those assistants taking some part in the children's work at Central and the branches. A children's worker has been added to the West Somerville staff, and the personal work with children much increased. And lists of books on the care of children and books for little children prepared for them.

At the request of the State Library Commission she gave a talk on the work of the library and schools at Bryant-

ville to a group of teachers from three adjoining towns, and for the Old Colony Library Club conducted a school question box.

We have been fortunate in securing as special assistant in the Central children's room, Miss Alice G. Higgins, a trained children's worker with experience in Pittsburgh, Worcester, Utica and New York City, who will devote her entire time to developing and extending the work already begun.

We have realized that children sent from the children's room to the adult department need some guidance in the choice of books and use of the library, and have formed an intermediate department which is in charge of a reference assistant and of the High School librarian.

The Building

The first year in the new building has been a satisfactory one. The citizens have constantly expressed appreciation of the beauty, light and spaciousness of the Book Room, and the comfortable access to the books has been especially commented upon. Through an art friend the library has been able to secure some fine pieces of pottery which add much to the attractiveness of the Book Room.

The Children's Room has been much appreciated by the younger citizens judging from the large number of boys and girls who congregate there, some for mischief—but a large proportion for reading interesting books.

The library hall has been used several times a week for meetings of the Historical Society, Daughters of Maine, Somerville Teachers' Club and others. The probation officer has weekly meetings there with delinquent boys.

The work of the staff has been made easier and pleasanter by lighter and more conveniently arranged catalogue and bindery rooms, and as in all up-to-date buildings by rest and lunch rooms. The furnishings of these rooms were a gift from the trustees to the members of the staff, who feel deeply grateful. We believe that these added comforts are aids to the efficiency of the library workers.

LUCY B. CRAIN.

Reference Department.

During the year 1913-1914 the books of the reference department were divided into three collections.

1. One-half of reference books formerly so-called have been placed in the circulating department.

2. General reference books have been placed in one comparatively small section,

3. Reference books dealing with specific subjects have been placed among the circulating books at the beginning of their classes.

A special loan system for charging reference books has been adopted by which over fourteen hundred persons have used for a day or two reference books outside the building.

A special form has been printed to answer reference questions which require more information than can be given at the time the question is asked.

During the month of October instruction in reference work (including encyclopedias, dictionaries, year books and guides to periodical literature) was given to the apprentices.

Reading lists have been compiled for the following subjects: After school—what?; Clean-up day; European war, (frequently revised); Gardening; The holidays, Hallowe'en, Thanksgiving, etc.; Immigration; Special books for the Lenten season; Suggestions for entertaining; Vacation books; Unpopular books (frequently revised); Bulletin work, copies of pictures by noted artists, with a brief description of the pictures, are posted bi-weekly on the Art Bulletin.

Articles of interest in current magazines and matters of educational interest are posted weekly on the Current Events Bulletin.

On the daily reference interchange with the branches, 5,092 volumes have been sent to answer thoroughly questions not satisfactorily handled by their collections.

ESTHER M. MAYHEW.

Catalogue Department

The department has cared for the eight thousand new volumes added, putting each through the great number of processes required in making it ready for circulation, classifying, cataloging, plating, marking, etc.

Besides this current work, much attention has been given to the revision and correction of the library. Since September, 1912, 31,318 volumes have been handled, themselves renumbered clearly and generally freshened, and their catalogue cards corrected and amplified to show the resources of the library; 90,024 catalogue cards for them being filed in the new public catalogue, and 24,403 shelf list cards in the official record. Of this work a proportionate amount has been done this year.

As a special order eight persons in one day and a half in October, reorganized the "East" High School library; classifying, cataloging and preparing for circulation 687

volumes, and classifying only 73 volumes. The "West" library had been handled during the summer.

All members of the staff, Central and branch, give some time to cataloging to learn the books, so that the time is piecemeal, but it aggregates about that of eight full-time assistants.

The first of September, Mrs. Coe, who for two years had charge of the catalogue reorganization, went to a similar work in the Massachusetts State Library. Since then the work has been carried on along the same general lines.

Among gifts from numerous friends are especially to be noted a considerable number of French works through the interest of the Misses Vinal; the lineage book of the National Society of the Daughters of the American Revolution from the local chapter; and the Chicago World's Fair book, and Voyage Picturesque . . . de Naple et de Sicile, Paris, 1782; five volumes, folio from Mrs. Caroline Williams.

EDITH B. HAYES.

High School Library.

The winter and spring months were spent by the high school librarian in visiting classes, becoming acquainted with the teachers and in reference work done both in the high school library and public library. And it was agreed that in the fall she should have further opportunity to develop the "library habit" among the pupils. During the summer, she, with the assistance of two high school graduates, re-classified, pasted marked and "wrote up" 1,500 volumes, which were shelved in the "West" library of the high school.

In August Miss Lovis resigned to accept a similar position in the Stadium High School, Tacoma, Washington, and was succeeded by the present appointee.

The desire of teachers that the hours be longer was met by the public library's assignment of a second assistant for part time, and so the school library is now in charge of a trained librarian from 8 to 2.30 daily. Through addresses to the teachers, meetings, classroom talks, visits of classes to the Central library, reserving special tables for debate and research topics for use when the school building is closed, instruction to seniors with problem work in the elements of library practice all educated persons should know, and quiet methods of personal approach, this co-ordination of educational forces is well begun.

From October 1 to December 24, the total attendance in the high school library has been 8,835; the total number of books circulated over night is 3,704; 462 books have been deposited from the public library; 664 reference ques-

tions have been answered in the high school, while many more have been dealt with in the public library.

Much has been accomplished toward demonstrating the library as a vital educational force, both to teachers and pupils. To continue this work efficiently, the following recommendations are made:—

I. That a specific book fund be obtained for the High School library.

II. That the room be entirely renovated, with more book shelving, and seats and tables, and the lighting improved.

III. That a complete catalogue be made.

IV. That a course in library methods be developed and made part of the regular high school work, receiving credit.

MABEL WILLIAMS.

West Somerville Branch.

The general work of the West Somerville Branch Library has gone along uninterruptedly the past year. The library now contains 10,391 volumes; 1,323 have been added and 1,148 worn out.

The total circulation of books has, for some unaccountable reason, fallen a little below that of the previous year, the figures being 111,785 against 117,977 for last year; a loss of 6,192.

The number of new borrowers who have applied for cards this year is 1,115 against 1,049 last year, an increase of sixty-six.

The reference work has shown a steady increase during the past year. The record of questions asked on the floor is 8,305, while the books called for through the interchange was 1,400.

For developing the children's work, the tables have been shifted about and a desk table has been placed in the centre of the room, thus affording better opportunity to supervise. Better results have been accomplished because of the individual attention the children have received. But the room is uncomfortably crowded. This matter should certainly be considered seriously the coming year.

The early part of July, the revision of the catalogue and extension of classification of books was started. The progress has been rather slow owing to the fact that no one person's full time is devoted to this line of work.

The need of more room at the main delivery desk is very apparent during rush hours, and I would recommend that the charging desk be enlarged, thus giving better facilities for working with the public.

About three hundred books from the music department

should be sent to the bindery to have the title and composer lettered on the back of the cover.

The year has been a successful and prosperous one, due to the extension of library privileges, the use of the telephone and the promptness of service and fewer restrictions.

NELLIE M. WHIPPLE.

East Somerville Branch.

The new year finds East Somerville Branch a busy place.

Particular attention has been paid to two or three lines of work, which do not show on any table of statistics, but which do add very much to the usefulness of the library. One of these is the attitude of the children toward the room. Every effort is being made to make them feel that it is a place of recreation, but a quiet one; not a general meeting place or a place for boisterous play, but for a definite kind of entertainment and instruction which can and must be enjoyed without disturbing other people. Results of such work must necessarily be slow, but there are encouraging signs.

The school and the branch have made some progress toward co-operation and more than once, the library has had deposits of books on some subject suggested by the teacher, reserved for the use of the pupils as they came to the room. The same work is being tried in connection with a course of study conducted by one of the churches.

The speed with which new books are taken by adults and children make it evident that the desire for reading is here, and only restricted by the smallness of the collection that can be shelved. The wall space of the room is only 108 feet in length; when four doors, two large display windows, two standard sized windows, a cupboard and corner spaces are deducted, there is not much for shelves and books.

And the seating capacity is so inadequate that it has seemed wise to exclude all readers under sixteen years of age after 7 p. m., so that older persons may have opportunity to use books and magazines.

CARRIE L. WILLIAMS.

Union Square Branch.

The end of the year finds Union Square better equipped than ever before in books and in experience to do reference work and to guide the reading of the borrowers. The principal part of our reference work is done with grammar school pupils, who come regularly for aid. As far as we can, we make a point to instruct in the use of the reference book, explain why we look for the subject in some particular

place, and the chain leading from one reference book to another.

A class which demands much of our attention is the teachers. They borrow pictures and books to supplement various talks and lessons. They ask for stories to tell children, psychology and hygiene, in fact, their questions are as inclusive as the Dewey classification.

During the year all of the school buildings and playgrounds in the Union Square section were visited, and the children urged to become users of the library.

While the demand is largely for fiction and for non-fiction of a recreative nature, there is a growing confidence in the library. The past year has brought us many hard-working men and women, who are seeking self-advancement in their work. The engineer seeking instruction for use in the boiler room, the automobile repairer and electrician come with requests for help. The designer of fancy work and the home maker come with their problems, confident that they will find a solution.

A large number of women never come to the library, but send children as messengers and depend upon the Librarian to select their reading. For those who possess a cultivated taste for reading and are pursuing systematic courses the interchange system with Central makes it possible to provide what Central affords within a few hours.

There is a growing foreign element. We have had calls for books in Swedish, Hebrew, Polish and Italian. The Italian magazine has been much used. The books on citizenship are always in demand. Many of these newcomers have learned what the library can do for them through the evening school. The great needs in this connection are space where the foreign books can be kept together and a librarian who has time to welcome and teach these new citizens.

If the Union Square Branch is to do the work it ought to do, become the social and book centre of that part of the city, there must be a room for the exclusive use of children; a room where groups of boys and girls can be taken for teaching and entertainment. Then too, there must be a children's librarian who can follow closely child interests and direct the reading.

From four in the afternoon until nine at night are the busiest hours. The tables are crowded with readers. Many times the adult feels that he has no place.

Nowhere would a well-equipped children's room give more intellectual and moral uplift than at Union Square.

LUCINDA F. SPOFFORD.

THE PUBLIC LIBRARY OF THE CITY OF SOMERVILLE.

APPENDIX A

Statistical Report for 1914.

	Central.	West.	East.	Union.	Total.
Volumes in library, January 1, 1914	95,649	10,216	1,557	1,825	109,247
Volumes added	5,081				
Volumes transferred to		1,323	624	862	7,890
Volumes transferred from	436		10	426	
Volumes withdrawn	5,111	1,148	391	378	
Volumes gained	466	175	243	910	7,028
Total volumes in library January 1, 1915	95,183	10,391	1,800	2,735	110,109
Volumes circulated—Adult	151,641	86,389	40,685	39,325	318,040
Volumes circulated—Juvenile	39,858	25,395	14,895	26,812	106,960
Total volumes circulated	191,499	111,784	55,580	66,137	425,000
Estimated circulation of deposits					111,827
Total home use on "old" basis					536,827
Registration	3,587	1,847	585	980	6,999
Valid borrowers' cards					18,185

APPENDIX B. Financial Statement, 1914

	Central.	West.	East.	Union.	Total.
Books	\$4,264 31	\$1,414 59	\$470 96	\$707 28	\$6,857 14
Music	44 20	10 00			54 20
Periodicals	668 16	289 51	112 13	157 35	1,227 15
Binding	1,341 03	345 61	112 50	234 75	2,033 89
Total Books	\$6,317 70	\$2,059 71	\$695 59	\$1,099 38	\$10,172 38
Services	\$16,043 42	\$4,276 08	\$2,012 35	\$1,887 99	\$24,219 84
Printing and Stationery	395 36	23 92	16 89	16 89	453 06
Express, Postage and Telephone	352 11	39 14	30 71	51 65	473 61
Catalog Supplies and Sundries	1,772 55	99 89	44 05	44 09	1,960 58
Totals	\$24,881 14	6,498 74	\$2,799 59	\$3,100 00	\$37,279 47
And in addition \$627.54 for books from Funds; making total for printed matter..... \$10,799 92					
For janitorial service and care of buildings under the Commissioner of Public Buildings, \$7,244 41 was expended.					

APPENDIX C

American Library Association Form for Uniform Statistics.

Annual report for year ended December 31, 1914.

Name of Library, The Public Library.

City or town, Somerville; State, Massachusetts.

Population served (United States Census in 1910,)..... 77,236

Terms of use—Free for lending.
Free for reference.

Total number of agencies:—

Consisting of—Central Library

3 Branches (separate buildings)

1 Station

49 Other agencies; 26 school buildings, and 23 clubs, etc.

Number of days open during year (Central library)

296 for lending, 348 for reading.

Hours open each week for lending (Central library)..... 72

Hours open each week for reading (Central library)..... 75

Number of volumes at beginning of year..... 109,247

Number of volumes added during year by purchase..... 7,698

Number of volumes added during year by gift or exchange 45

Number of volumes added during year by binding material not otherwise counted..... 147

Number of volumes lost or withdrawn during year..... 7,028

Total number at end of year..... 110,109

Adult. Juvenile. Total.

Number of volumes of fiction lent for home use 213,983 66,315 280,298

Total number of volumes lent for home use 318,040 106,960 425,000

Non-fiction lent for one calendar month

Number of borrowers registered during year..... 6,999

Total number of valid cards December 31..... 18,185

Registration period two years.

Number of newspapers and periodicals currently received, 217 titles, 824 copies.

Receipts From

Unexpended balance:—

Local taxation \$39,978 46

State grants 627 54

Endowment funds 1,293 18

Membership fees 3,252 24

*Fines and sales of publications \$45,151 42

Duplicate pay collection them.

Gifts *These items are covered into the treasury of the City which figures its appropriation to include them.

*Other sources: Dog licenses them.

Total them.

*These items are covered into the treasury of the City which figures its appropriation to include them.

Payments For

Maintenance:—

Books	\$7,538 88
Periodicals	1,227 15
Binding	2,033 89
Salaries, library service	24,219 84
Other maintenance and incidentals.....	2,887 25
Janitor service, rent, heat, light (under the Building Commissioner)	7,244 41
Total	<hr/> \$45,151 42

BOARD OF HEALTH.

1914.

WESLEY T. LEE, M. D., Chairman.

JACKSON CALDWELL.

JOHN A. BLASER.

Clerk and Agent to Issue Burial Permits.

LAURENCE S. HOWARD.

Agent.

CALEB A. PAGE.

Medical Inspector.

FRANK L. MORSE, M. D.

Inspector of Animals and Provisions.

CHARLES M. BERRY, V. S.

Inspector of Milk and Vinegar.

HERBERT E. BOWMAN, Ph. G.

Plumbing Inspector.

DUNCAN C. GREENE.

REPORT OF THE BOARD OF HEALTH.

OFFICE OF THE BOARD OF HEALTH,
City Hall, January 1, 1915. }

To His Honor, the Mayor and the Board of Aldermen:—

Gentlemen,—We respectfully submit the following as the thirty-seventh annual report of the Board of Health, in which is presented a statement, tabulated, and otherwise, of the sanitary condition of the city and the business of the board for the year ending December 31, 1914.

Nuisances.

A record of nuisances abated during the year, in compliance with notices issued by the board, or under the board's direction, is presented in the following table:—

Complaints investigated and causes removed:—

Animals kept in cellars	4
Blacksmith shops whitewashed	11
Cellars, water in	10
Cellars, filthy	16
Cesspools removed	3
Chimney too low	1
Defective garbage houses	4
Dirty milk utensils	30
Factories filthy	4
Fish exposed for sale	3
Fish, foul odors from	10
Garbage thrown in yards	5
Hens being kept without permit	24
Hens running at large	4
Manure heaps, foul odors from	8
Milk license not posted	10
Milk rooms, screens not on	1
Plumbing unsanitary	14
Privy vaults, foul odors from	3
Roosters crowing	7
Rubbish on vacant land	23
Sewer openings, foul odors from	1
Stables offensive	5
Stables whitewashed	37
Stables ventilated	4
Stores (bakeries) whitewashed	7
Stores and utensils dirty	40
Tenements filthy	3
Tenements unsanitary	11
Unlicensed animals	18
Unclassified	54
Water closets, foul odors from	12
Water-closets without water	18
Water pipes burst	6
Water turned off, house not tenantable	7
Yards filthy	194

Total	612
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Complaints referred from 1913	1
Complaints received from 1914	612
Complaints referred to 1915.	6
	<hr/>
Nuisances abated 1914	607
Second, third, and fourth notices sent on nuisances	33
	<hr/>
Total notices sent	640

In addition to the above, 257 dead animals have been removed from the public streets, and many nuisances have been abated on verbal notice from the agent, without action by the board, of which no record has been made. Each spring the whole city is examined, and cellars, yards and alleyways where rubbish and filth have collected are required to be cleaned.

Glanders.—Thirty-six cases of glanders have been reported during the year. Prompt action was taken in every case, and twenty-eight of the horses were killed, eight being released from quarantine by order of the cattle commissioners.

Permits.

The record of permits to keep cows, swine, goats and hens, and to collect grease is as follows:—

Cows.—Twelve applications were received for permits to keep twenty-four cows, which were granted.

Swine.—Fifteen applications were received for permits to keep thirty-one swine, twelve of which were granted to keep twenty-four swine. The fee is one dollar for each swine.

Goats.—Three applications were received for permits to keep four goats, which were granted. The fee is one dollar for each goat.

Hens.—One hundred and eight applications for permits to keep 1,652 hens were received. Eighty-three permits to keep 1,263 hens were granted, and twenty-five permits were refused.

Grease.—Thirteen applications were received for permits for thirteen teams to collect grease, which were granted. The fee is two dollars for each team.

Melting and Rendering.—Two parties have been licensed to carry on the business of melting and rendering, under the provisions of the revised laws of 1902, chapter 75, section 111, for which a fee of one dollar is charged.

Pedlers.

Three hundred and sixty-three certificates of registration were issued to hawkers and pedlers during the year under the provisions of ordinance number 29— an increase of seventy-nine over the year 1913. Each pedler is required to present a statement from the sealer of weights and measures, showing that his measures and scales have been properly sealed, before

a certificate is issued to him. Pedlers are also required to present their vehicles at the police station the first Monday of each month for inspection by the agent of the board, that he may see if they are kept in a clean condition, and are properly marked with the owner's name and number. A fee of one dollar is charge for each registration.

Stables.

Under the provisions of sections 69 and 70 of chapter 102 of the revised laws of 1902, sixteen petitions for licenses to occupy stables were received, eleven were granted, four were refused, and action on one is still pending.

Board of Infants.

Nineteen parties, whose applications were first approved by this board, have been licensed by the state board of charity to care for thirty-eight children in this city, under the provisions of chapter 83 of the revised laws of 1902.

Deaths.

There were 990 deaths and sixty-three stillbirths in the city during the year, as specified in the following table, which shows a decrease of deaths under the previous year of three.

Deaths at Somerville hospital during the year	71
Deaths at hospital for contagious diseases and tuberculosis	51
Deaths at home for aged poor (Highland avenue),	41
Deaths at city home	18
Deaths at other institutions	20

DEATHS BY AGES.

AGES.	Total.	Male.	Female.
Under one	145	79	66
One to two	31	17	14
Two to three	10	5	5
Three to four	9	4	5
Four to five	12	7	5
Five to ten	26	20	6
Ten to fifteen	8	7	1
Fifteen to twenty	17	9	8
Twenty to thirty	48	16	32
Thirty to forty	71	31	40
Forty to fifty	60	32	28
Fifty to sixty	114	56	58
Sixty to seventy	151	73	78
Seventy to eighty	189	70	119
Eighty to ninety	86	32	54
Ninety and over	13	8	5
Total	990	466	524

Mortality in Somerville in 1914.—Concluded.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
V. DISEASES OF THE DIGESTIVE SYSTEM.													
Acute indigestion . . . . .	...	...	1	1	2	...	2	1	...	...	...	...	7
Colitis . . . . .	...	...	...	...	...	...	1	2	1	2	...	...	6
Gastritis . . . . .	...	1	...	...	...	...	...	...	...	...	...	...	1
Peritonitis . . . . .	...	1	1	2	1	1	...	1	1	...	...	...	8
Diarrhea . . . . .	...	...	...	...	...	...	...	1	...	...	...	...	1
Cholera infantum . . . . .	...	...	...	...	...	...	...	2	...	...	...	...	2
Ptomaine poisoning	1	...	...	...	...	1	...	...	...	...	...	...	1
Gastric ulcer	1	...	...	...	...	1	...	1	...	...	...	1	4
Enteritis	1	...	1	2	3	2	2	5	6	3	3	1	29
Jaundice . . . . .	...	...	...	...	...	...	1	...	...	...	...	1	2
Intestinal obstruction	1	...	...	1	...	...	1	...	...	1	1	2	7
Appendicitis . . . . .	...	1	...	...	1	...	...	...	1	...	1	...	4
Intestinal toxæmia	1	...	...	...	...	...	...	...	...	...	...	...	1
Cirrhosis liver . . . . .	...	...	...	...	...	...	1	...	...	...	...	...	1
Enlargement of spleen . . . . .	...	...	...	...	...	...	1	...	...	...	...	...	1
VI. DISEASES OF GENITO-URINARY SYSTEM.													
Bright's disease . . . . .	...	...	...	...	1	2	...	1	...	2	1	...	7
Uraemia . . . . .	...	1	...	1	...	2	...	...	...	...	1	2	7
Nephritis	1	3	5	8	1	1	1	6	6	5	4	3	44
Pyelitis	1	...	...	...	...	...	...	...	...	...	...	...	1
Cystitis . . . . .	...	...	...	...	...	2	...	...	...	...	...	...	2
Prostatitis . . . . .	...	1	...	...	...	...	...	...	...	...	1	...	2
VII. CHILDBIRTH.													
Childbirth . . . . .	...	...	...	1	...	1	...	...	...	...	...	...	2
VIII DISEASES OF THE SKIN AND CELLULAR TISSUES.													
Gangrene . . . . .	...	1	...	...	1	...	1	...	...	...	...	1	4
IX. MALFORMATIONS.													
Hydrocephalus . . . . .	...	...	...	...	...	...	1	...	...	...	...	...	1
X. EARLY INFANCY.													
Malnutrition . . . . .	...	...	3	2	4	...	1	...	2	1	...	1	14
Asphyxia neonatorum . . . . .	...	1	...	1	1	...	...	...	...	...	1	...	4
Premature birth and congenital debility	6	8	5	6	3	2	1	3	5	3	4	4	50
Atalectosis	1	...	...	1	...	...	...	...	...	...	...	1	3
Overlying	1	...	...	...	...	...	...	...	...	...	...	...	1
XI. OLD AGE.													
Old age . . . . .	...	...	...	1	1	...	...	1	1	...	1	...	5
Senile dementia . . . . .	...	...	...	...	1	1	...	...	1	1	2	1	7
Arterio-sclerosis	5	5	4	7	7	6	5	2	8	7	2	6	64
XII. VIOLENCE.													
Drowning . . . . .	...	...	...	...	...	...	1	...	...	...	...	...	1
Railroad . . . . .	...	...	...	...	...	...	...	1	...	3	...	...	4
Suicide	1	...	...	3	1	...	...	...	1	...	1	1	8
Suffocation . . . . .	...	...	...	...	...	...	...	...	...	...	1	...	1
Accidental burns from hot water . . . . .	...	1	...	...	...	...	...	...	...	...	...	...	1
Accidental gas poisoning . . . . .	...	...	...	...	...	1	...	...	...	...	...	...	1
Fracture of skull	1	...	...	...	...	...	1	...	1	...	1	...	4
Surgical shock . . . . .	...	...	1	1	...	...	...	...	1	...	...	...	3
Accidental poisoning . . . . .	...	...	...	...	...	...	...	...	...	...	...	1	1
Fracture of spinal column . . . . .	...	...	...	...	...	...	...	...	...	...	1	...	1
Accidental fall . . . . .	...	...	...	...	...	...	...	...	...	...	...	1	1
Run over by team . . . . .	...	...	...	...	...	...	...	1	...	...	...	1	2
Starvation . . . . .	...	...	...	...	...	...	...	...	...	...	1	...	1
Accidental burns	2	...	...	...	...	1	...	...	...	...	...	...	3
Total	74	97	98	110	93	74	50	65	77	66	74	112	990

Population (estimated) 85,000
 Death rate per thousand 11.65

Diseases Dangerous to the Public Health.

This board has adjudged that the diseases known as actinomycosis, anterior polimyelitis, anthrax, Asiatic cholera, cerebro-spinal meningitis, chicken-pox, diphtheria, dog-bite (requiring anti-rabic treatment,) dysentery, German measles, glanders, hookworm disease, infectious disease of the eye, leprosy, malaria, measles, mumps, pellagra, plague, rabies, scarlet fever, septic sore throat, small pox, tetanus, trichinosis, tuberculosis (all forms), typhoid fever, typhus fever, whooping cough, yellow fever, are infectious, or contagious and dangerous to the public health and safety within the meaning of the statutes. Physicians are required to report immediately to the board every case of either of these diseases coming under their care, and postal cards conveniently printed and addressed are supplied to them for the purpose. On receipt of a card from a physician, the superintendent of schools, the principal of the school in the district in which the patient resides, the librarian of the public library and state board of health are notified.

Scarlet Fever.—Three hundred seventy-six cases of scarlet fever have been reported during the year, eleven of which resulted fatally. In 1914 there were 208 cases, four of which resulted fatally.

Diphtheria.—Three hundred seven cases of diphtheria have been reported during the year, twenty-five of which were fatal. In 1913 there were 161 cases, thirteen of which proved fatal. Anti-toxin has been provided by the state board of health, and placed by this board in central locations for use by physicians. Culture tubes for diphtheria, and sputum bottles for suspected tuberculosis are obtainable at the same stations.

Warning cards are used in dealing with scarlet fever and diphtheria, and the premises are fumigated by the use of formaldehyde gas, immediately after the termination of the case. An inspection is made by the agent of the board of the premises where diphtheria is reported, and all sanitary defects discovered are required to be remedied as soon as possible.

Tuberculosis. One hundred fifty-nine cases of tuberculosis have been reported during the year. There were eighty-three deaths from this disease.

Typhoid Fever.—Thirty cases of typhoid fever have been reported during the year, six of which have proved fatal. In 1913 there were sixty-six cases reported, six of which were fatal.

Number of persons with diphtheria or scarlet fever taken in ambulance to hospital by agent	352
Number of cases of scarlet fever and diphtheria for which houses were placarded	370
Number of premises disinfected by agent	889

It will be seen by the foregoing figures that 889 premises were disinfected. Twenty disinfections were made at the request of attending physicians whose patients had been ill with

typhoid fever, cancer, or other diseases. One hundred eighty-six schoolrooms were disinfected, ninety-nine for scarlet fever, eighty-seven for diphtheria, and 116 premises for tuberculosis, in compliance with the regulations passed by this board.

Many library books have also been disinfected, and quantities of infected bedding and other material have been burned.

TABLES.

The prevalence of scarlet fever, diphtheria, and typhoid fever in the city during the several months of the year 1914 is shown by the following table, and in the table next following is given the number of deaths from these three diseases, by months, during the last ten years:—

Scarlet Fever, Diphtheria and Typhoid Fever Reported in 1914.

MONTHS.	SCARLET FEVER.			DIPHTHERIA.			TYPHOID FEVER.		
	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.
January . . .	40	....	....	14	1	7.1	1	1	100.
February . . .	32	....	....	15	2	13.3	0	....	....
March . . .	67	1	1.5	20	....	....	2	2	100.
April . . .	50	3	6.	14	....	....	2	....	....
May . . .	68	2	2.9	36	4	11.1	0	....	....
June . . .	32	1	3.1	18	4	22.2	0	....	....
July . . .	13	1	7.7	17	1	5.9	1	....	....
August . . .	10	....	....	6	1	16.6	3	....	....
September . .	8	....	....	26	2	7.7	4	1	25.
October . . .	15	1	6.6	50	3	6.	7	1	14.2
November . .	16	....	....	49	3	6.	4	1	25.0
December . .	25	2	8.0	42	4	9.5	6	....	....
Total . . .	376	11	2.9	307	25	8.1	30	6	20.

Deaths from Scarlet Fever, Diphtheria and Typhoid Fever in the Last Ten Years.

MONTHS.	SCARLET FEVER.										DIPHTHERIA.										TYPHOID FEVER.									
	1905.	1906.	1907.	1908.	1909.	1910.	1911.	1912.	1913.	1914.	1905.	1906.	1907.	1908.	1909.	1910.	1911.	1912.	1913.	1914.	1905.	1906.	1907.	1908.	1909.	1910.	1911.	1912.	1913.	1914.
January . .	..	..	3	..	2	..	1	..	1	..	3	..	1	1	4	5	1	1	..	1	..	..	..	1	1	..	1	..	..	1
February . .	1	..	2	..	1	..	1	..	1	..	2	..	2	..	1	4	3	4	..	4	2	..	1	..	..	1	1	..	..	..
March . .	1	..	..	1	3	..	1	..	1	3	..	2	..	1	3	..	1	3	3	..	..	..	1	..	..	..	..	1	..	2
April . .	..	1	..	..	2	1	..	..	..	..	1	3	..	2	2	2	1	..	1	..	1	3	..	1	1	1	..	..	..	..
May . .	..	..	1	1	..	..	..	1	..	..	1	2	1	1	1	2	1	..	..	4	..	..	..	2	..	1	..	3	..	..
June . .	1	..	..	..	1	..	..	..	1	1	1	..	2	2	1	1	1	1	4	..	2	2	1	1	..	1	..	1	..	..
July . .	..	..	..	..	..	2	..	..	..	1	..	..	1	1	2	2	1	..	1	1	1	1	..	1	..	..	..	..	..	..
August . .	1	..	2	..	..	..	..	..	..	..	..	..	..	1	3	1	1	..	1	1	..	1	1	..	..	2	..	2	..	..
September .	..	..	..	..	..	..	1	..	..	..	1	..	..	..	2	2	2	1	..	2	..	1	1	1	..	1	2	..	..	1
October . .	..	..	1	1	..	..	..	..	1	..	2	2	..	..	..	..	1	1	1	3	1	2	4	1	4	..	..	1	1	1
November .	..	..	1	1	..	1	..	..	..	..	3	1	1	2	1	..	1	4	..	3	3	..	3	1	2	1	..	1	1	1
December .	..	2	..	..	2	..	..	..	2	..	3	1	4	2	3	1	..	3	1	4	1	..	..	..	1	..	..	1	..	..
Total . .	4	1	12	4	9	5	3	2	4	11	17	15	9	11	27	20	15	14	13	25	9	11	11	9	8	6	6	4	6	6

Table of Deaths During the Last Ten Years.

Year.	No. of Deaths.	Rate per 1,000.
1905	968	13.83
1906	1,004	13.94
1907	997	13.47
1908	903	11.96
1909	988	13.08
1910	1,043	13.45
1911	1,035	12.93
1912	983	12.13
1913	993	12.11
1914	990	11.65
Average death rate per 1,000 for ten years		12.85

Table Showing the Five Principal Causes of Death in Somerville in 1914.

PNEUMONIA.		HEART DISEASE.		APOPLEXY.		TUBERCULOSIS.		CANCER.	
Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.
136	16	123	14.4	89	10.4	93	9.6	62	7.3

Medical Inspection of Schools.

The medical inspection of the schools of Somerville, which was instituted in December, 1907, has been continued during the year. The value of the system has been constantly demonstrated, and the work has been done in a very satisfactory manner. There has been harmony of action between the board of health and the school board, and the school principals and teachers have very generally co-operated with the inspectors in making the system as successful as possible.

The inspectors make daily visits to the schools under their charge, and to them are referred all children who show evidences of disease or abnormal conditions. Children who are found to be unfit to remain in school are sent home, accompanied by a slip properly filled out advising that the family physician be consulted. The inspectors also make an annual inspection of all the children in the schools, and any defects discovered are called to the attention of the parents. Monthly inspections of the school buildings and premises are made, and suggestions or criticisms are referred to the proper authorities. Every effort is made to protect the health of the children and to co-operate with the parents in keeping the children in as normal a condition as possible.

It is extremely desirable that one or more additional school nurses should be employed to supplement and make more effective the work of the inspectors, and it is to be hoped that funds will be available to carry out this project. One nurse has been employed since September, 1913.

In accordance with the provisions of the statute, tests of sight and hearing are made by the principals or teachers.

During the year, 6,989 children have been referred to the inspectors during their daily visits, and 411 have been sent home because of illness.

The following list will show the classes of diseases and defects which have been found in the schools, except defects of sight and hearing:—

LIST OF DISEASES AND NUMBER OF CASES REPORTED.

1. Infectious diseases:—

Measles	59
Whooping cough	14
Chicken pox	74
Mumps	13
Scarlet fever	12

Total	172
-----------------	-----

2. Diseases of the nose and throat:—

Enlarged tonsils and adenoids	321
Inflammatory diseases	50
Other abnormal conditions	10

Total	381
-----------------	-----

3. Diseases of the eyes:—

Inflammatory conditions of the eyes and lids	20
Foreign bodies and injuries	4
Other abnormal conditions	15

Total	39
-----------------	----

4. Diseases of the ears:—

Inflammatory conditions	9
Other abnormal conditions	5

Total	14
-----------------	----

5. Diseases of the skin:—

Pediculosis	502
Impetigo	31
Scabies	21
Eczema	46
Tinea	5
Herpes	4
Miscellaneous conditions	101

Total	710
-----------------	-----

6. Miscellaneous diseases:—

Constitutional diseases	48
Diseases of the digestive system	8
Diseases of the respiratory system	44

Diseases of the circulatory system	20
Diseases of the lymphatic system	41
Diseases of the nervous system	11
Diseases of the urinary system	12
Wounds and injuries	25
Diseases of teeth	233
Other conditions	47

Total 489

Total number of diseases reported . . . 1,805

Vaccinations performed 506

Examinations for vaccinations 604

The districts and inspectors are as follows:—

District No. 1.—Prescott, Hanscom, Davis, and Edgerly schools. Inspector, Dr. Francis Shaw, 57 Cross street.

District No. 2.—Baxter, Knapp, Perry and Bell schools. Inspector, Dr. Edward J. Dailey, 46 Bow street.

District No. 3.—Bennett, Pope, Cummings, and Proctor schools. Inspector, Dr. L. H. Raymond, 146 Highland avenue.

District No. 4.—Morse, Carr, Durell, and Burns schools. Inspector, Dr. W. L. Bond, 322 Highland avenue.

District No. 5.—Brown, Bingham, and Forster schools. Inspector, Dr. H. M. Stoodley, 283 Highland avenue.

District No. 6.—Lincoln, Hodgkins, Highland, Cutler, and Lowe schools. Inspector, Dr. H. Cholerton, 94 College avenue.

District No. 7.—Glines and High schools. Inspector, Dr. R. F. Gibson, 76 College avenue.

Parochial Schools.—Inspector, Dr. M. W. White, 21 Walnut street.

On August 17, 1914, Dr. R. F. Gibson, inspector of District No. 6, died, and on September 4, 1914, the Board appointed Dr. Edgar F. Sewall, 258 Broadway, to fill the vacancy.

Bacteriological Department.

The work of this department was performed by Frank L. Morse, M. D., medical inspector of the board, whose report is appended to this report.

Specimens will be received at the laboratory at the city hall daily, including Sunday, at any time, and they will be examined and reported upon the morning following their reception.

SPECIMENS AND ANTI-TOXIN,

Outfits for specimens to be examined for tuberculosis, diphtheria, and typhoid fever, and diphtheria anti-toxin, vaccine lymph and nitrate of silver solution may be obtained at the laboratory and at the following places:—

Adams Pharmacy, Willow and Highland avenues.

R. A. Peckham, 154 Perkins street.

Bay State Pharmacy, 173 Washington street.
 Edward Edwards, 25 Union square.
 Fred W. Gay, 524 Somerville avenue.
 John Morrison, Highland avenue, corner Cedar street.
 Percy A. Hall, 2 Studio building, Davis square.
 Henry W. Perry, 529 Medford street, Magoun square.
 Eugene B. Carpenter, 10 Broadway.
 Richardson Pharmacy, 310 Broadway.
 George E. Wardrobe, 693 Broadway.
 Willis S. Furbush & Co., 1153 Broadway.

After the specimen is collected, it must be taken to the culture station or sent directly to the laboratory at the city hall.

Undertakers.

Under the provisions of section 44 of chapter 78 of the revised laws of 1902, twenty-two persons have been duly licensed as undertakers.

Examination of Plumbers.

The public statutes provide for a board of examiners of plumbers, consisting of a chairman of the board of health, the inspector of buildings, and an expert at plumbing, to be appointed by the board of health. This board appointed Duncan C. Greene, the inspector of plumbing, to fill the place of expert. The number of licenses granted will be found in the report of the inspector of buildings.

Financial Statement for 1914.

	CREDIT.	
Appropriation	\$11,000 00	
Appropriation	2,379 54	
Excess in Deficiency, balance transferred	2,010 70	
	<hr/>	
Total credit		\$15,390 24
	DEBIT.	
Salaries	4,300 00	
Burying dead animals	88 25	
Office supplies	248 20	
Bacteriological Laboratory	51 95	
Board of agent's horse	336 00	
Maintenance of vehicles and harnesses	453 65	
Horseshoeing	58 10	
Telephones	166 68	
Care of tuberculosis cases in state institutions and cities and towns	6,035 98	
Care of diseases other than tuberculosis	3,524 76	
Incidentals	126 67	
	<hr/>	
Total credit		\$15,390 24

Inspection of Animals and Provisions.

CREDIT.		
Appropriation	\$1,250 00	
Excess and Deficiency, balance transferred .	18 85	
	<hr/>	
Total credit		\$1,231 15
DEBIT.		
Salary of Inspector	1,200 00	
Incidental expenses	31 15	
	<hr/>	
Total debit		\$1,231 15

Inspection of Milk and Vinegar.

CREDIT.		
Appropriation	\$2,050 00	
Appropriation	300 00	
Excess and deficiency, balance transferred .	23 03	
	<hr/>	
Total credit		\$2,326 97
DEBIT.		
Salaries	\$1,378 05	
Maintenance of laboratory	154 22	
Maintenance of automobile	409 78	
Telephone	11 40	
Incidentals and printing	373 52	
	<hr/>	
Total debit		\$2,326 97

Inspection of School Children.

CREDIT.		
Appropriation	\$2,400 00	
Appropriating		300 00
Excess and deficiency, balance transferred .	93 63	
	<hr/>	
Total credit		\$2,306 37
DEBIT.		
Salaries	2,267 04	
Sundry expenses	39 33	
	<hr/>	
Total debit		\$2,306 37

Contagious Hospital.

CREDIT.		
Appropriation	\$16,800 00	
Appropriation	2,500 00	
Appropriation	2,200 00	
Excess and deficiency, balance transferred .	277 24	
	<hr/>	
Total credit		\$21,777 24

DEBIT.

Salaries	.	.	.	.	.	.	.	\$9,364 88
Groceries and provisions	.	.	.	.	.	.	.	9,262 57
Supplies	.	.	.	.	.	.	.	2,191 28
Incidentals	.	.	.	.	.	.	.	958 51

Total debit \$21,777 24

WESLEY T. LEE, M. D., Chairman,
JACKSON CALDWELL,
JOHN A. BLASER,

Board of Health.

REPORT OF THE MEDICAL INSPECTOR

Somerville, January 1, 1915.

To the Board of Health of the City of Somerville:—

Gentlemen,—I herewith present the report of the medical inspector for the year 1914, including the statistics of the contagious disease hospital and the bacteriological laboratory.

Scarlet Fever. During the year 376 cases of this disease were reported in the city, an increase of 168 in number over the previous year. 258 cases were reported during the first five months of the year when the disease was particularly prevalent. Each case has been inspected before the fumigation and 272 visits were made at residences to determine when desquamation was complete.

Diphtheria. During the year 307 cases of diphtheria were reported in the city, an increase of 146 in number over the previous year. 141 cases were reported during the last three months of the year when the disease was particularly prevalent. Before patients are released from quarantine two successive negative cultures must be obtained and during the year 397 visits were made at houses for this purpose.

Typhoid Fever. During the year thirty cases of this disease were reported, a decrease of thirty-three cases from the previous year.

Tuberculosis. During the year 159 cases of this disease were reported, a decrease of twenty-one cases from the previous year.

Ophthalmia Neonatorum. During the year thirty-eight cases of this disease were reported, an increase of five cases from the previous year. A visit was made to all of these patients.

Contagious Disease Hospital.

During the year 397 visits were made at the hospital.

Scarlet Fever. During the year two hundred and four cases were admitted, eight of which proved fatal. The average stay in the hospital was 40 days.

Diphtheria. During the year one hundred and ninety-four cases were admitted, nineteen of which proved fatal. The average stay in the hospital was 15 days.

Tuberculosis. During the year seventy-four cases were admitted, twenty of which proved fatal. The average stay in the hospital was seventy-five days.

Other Diseases. Seven cases of measles were admitted, one of which proved fatal, one case of Erysipelas, one of Retropharyngeal abscess, and one Mental case.

Bacteriological Department.

During the year, 1,513 examinations were made of diphtheria cultures, 277 examinations of sputum, and twenty-five examinations of blood for typhoid fever.

Respectfully submitted,
FRANK L. MORSE,
Medical Inspector.

REPORT OF INSPECTOR OF ANIMALS AND PROVISIONS.

Somerville, Mass., January 1, 1915.

Board of Health,

Gentlemen,—I herewith present my report for the year ending December 31, 1914.

The following number of places have been inspected during the year for cleanliness and sanitary conditions.

Cold storage houses	119
Wholesale meat houses	137
Retail grocery and meat markets	3,674
Retail fish markets	542
Retail peddlers wagons	1,650
	<hr/>
	6,122

The cold storage houses, grocery, meat and fish markets as a rule are kept in a good sanitary condition.

The following list shows the goods condemned during the year.

Meats.

Fresh beef, 1032 pounds; corned beef, 792 pounds; lamb, 635 pounds; poultry, 1,215 pounds; fresh pork, 269 pounds; salt pork, 167 pounds; whole swine, 1,456 pounds; frankforts, 305 pounds; liver, 92 pounds; hamburg, 84 pounds; tripe, 116 pounds; pig's feet, 97 pounds; veal, 128 pounds; bologna, 56 pounds.

Fish.

Haddock, 418 pounds; halibut, 121 pounds; pollock, 96 pounds; salmon, 58 pounds; swordfish, 11 pounds; herrings, 1,490 whole; mackerel, 530 whole; clams, 2 quarts; clams in shell, 1 1-2 bushels; oysters, 3 quarts.

Fruit.

Oranges, 11 boxes; grapefruit, 3 1-2 boxes; lemons, 41 dozen; strawberries, 27 quarts; blackberries, 59 quarts; raspberries, 35 cups; grapes, 11 baskets; bananas, 217 dozen; cantaloupes, 12 crates; apples, 8 barrels.

Vegetables.

Cabbage, 9 barrels; string beans, 6 baskets; celery, 58 bunches; cauliflower, 14 heads; rhubarb, 11 crates; tomatoes, 21 baskets; onions, 8 bushels; turnips, 12 barrels; asparagus, 52 bunches; squash, 9 barrels; sweet potatoes, 6 crates; potatoes, 11 bushels; greens, 7 bushels; lettuce, 12 dozen; green corn, 5 bushels.

Eggs.

Eggs, 36 dozen.

Groceries.

Butter, 20 pounds; lard, 40 pounds; tea, 50 pounds; coffee, 20 pounds; bread, 30 loaves; canned goods, 120 cans; sugar, 200 pounds; spices, 240 packages; cereals, 450 packages; salt, 135 bags; condensed milk, 56 cans.

Slaughter House Inspection.

The following list shows the number of animals slaughtered in this city during the year.

Swine	.	.	.	.	.	.	.	.	.	.	1,000,871
Cattle	.	.	.	.	.	.	.	.	.	.	28,064
Calves	.	.	.	.	.	.	.	.	.	.	64,973
Sheep	.	.	.	.	.	.	.	.	.	.	364,859
Total	.	.	.	.	.	.	.	.	.	.	1,458,767

Animals.

A close watch has been kept of all domestic animals in the city, and 435 visits been made at the stables during the year.

	Inspected.	Quarantined.	Killed.	Released
Horses	4,317	36	28	8
Cows	29	1		1
Goats	4			
Swine	160			
Dogs	2		2	
Total	4,512	37	30	9

I wish to call attention to the fact that during 1914 there were only one half as many horses quarantined and killed on account of glanders as were destroyed in 1913, showing that this dread disease is being gradually stamped out.

All blacksmith shops, cow stables, stables for horses and milk stables were whitewashed and disinfected during the year.

Lunch rooms and bakeries have been required to screen all doors and windows and bakeries have been inspected 834 times.

Barber shops are required to be kept in a sanitary condition all the time and to properly sterilize their utensils.

Factories.

There have been 168 inspections of fifty-three factories during the year.

Daily assistance has been rendered to the agent in his work and in conveying patients to the Contagious Hospital by ambulance.

One prosecution was made on account of vegetables unfit for food. The defendant was found guilty in the local court, and fined \$35. He appealed to the superior court, and on recommendation of the district attorney the case was placed on file.

Respectfully submitted,
 CHARLES M. BERRY, V. S.
 Inspector,

REPORT OF THE INSPECTOR OF MILK AND VINEGAR.

LABORATORY OF THE INSPECTOR OF MILK AND VINEGAR.

City Hall, Somerville, Mass., January 1, 1915.

To the Board of Health of the City of Somerville:—

Gentlemen,—I herewith present my annual report for the year ending December 31, 1914.

On the above date there were in this city licensed to sell milk, 517 stores and seventy-two pedlers, and nine stores to sell oleomargarine.

Thirty-four stores and three pedlers have gone out of business during the year.

Of the seventy-two pedlers thirty-three are located in this city and thirty-nine in the neighboring cities and towns.

There are approximately 6,200 gallons of milk distributed in Somerville daily, and twenty dealers selling pasteurized milk supply over sixty per cent. of this amount.

Financial Statement.

Appropriation, 1914	.	.	.	.	.		\$2,350 00
License fees	.	.	.	.	.	\$299 00	
Fees for analysis	.	.	.	.	.	296 00	
Fines	.	.	.	.	.	105 00	
							\$700 00
							\$1,650 00
Balance unexpended	.	.	.	.	.		23 03
							\$1,626 97
Actual expenses of department	.	.	.	.	.

Figured on a population of 85,000 and an appropriation of \$2,350 the expenses of this department were (2-7-10) two and seven-tenths cents per capita.

Table 1.

Months.	License Issued.	License Fees.	Analytical Fees.	Cash paid City Tre.	Analysts on Account.	Total Income for Dept.
January . . .	15	\$7.50	\$5.00	\$12.50	\$ 7.50	\$20.00
February . . .	15	7.50	2.00	9.50	3.00	12.00
March . . .	11	5.50	....	5.50	24.00	29.00
April . . .	10	5.00	....	5.00	31.00	36.00
May . . .	283	141.50	.50	142.00	42.50	184.50
June . . .	177	88.50	....	88.50	18.00	106.00
July . . .	16	8.00	4.00	12.00	20.00	32.00
August . . .	11	5.50	1.00	6.50	18.00	24.50
September . . .	15	7.50	3.00	10.50	20.50	31.00
October . . .	15	7.50	....	7.50	51.50	59.00
November . . .	13	6.50	.50	7.00	27.50	34.50
December. . .	17	8.50	1.00	9.50	15.50	25.00
				16.00		
Total	598	\$299.00	\$17.00	\$316.00	\$279.00	\$595.00

Table 2.

Months.	Milk, Cream, Ice Cream, Vinegar.	Bact. Collections.	Lorenz Tests.	Total Collections.	Samples left at Office.	Total Examina- tions.
January . . .	73	48	4	121	25	150
February . . .	53	48	2	103	10	113
March	70	80	48	198	48	246
April	86	96	49	231	58	289
May	84	55	36	175	78	253
June	32	28	8	68	37	105
July	44	39	4	87	40	127
August	122	20	0	142	36	178
September . .	60	80	0	140	41	181
October	56	124	9	189	103	292
November . . .	60	96	6	162	55	217
December . . .	47	38	9	94	33	127
Total	787	752	175	1,714	564	2,278

Table 3.

Months.	Chem. Notices.	Bact. Notices.	Sanitary Notices.	Total Notices.	Inspections.	Infected Samples.
January	2	5	8	15	....	3
February	5	2	4	11	....	0
March	4	5	33	42	146	0
April	7	10	14	31	90	3
* May	6	9	49	64	90	6
† June	4	0	20	24	503	0
July	13	4	19	36	24	0
August	14	2	10	26	29	0
September . . .	3	5	12	20	29	0
October	5	8	4	17	40	4
November	6	8	9	23	24	2
December	1	0	8	9	29	0
Total	70	58	190	318	1,004	18

* 2 dairies out of State excluded for added water.

† 1 dairy " " " " " " " "

City Inspection.

The department work in the city proper covers the supervision of milk at the receiving stations, the taking of temperatures, examination of utensils and wagons, examination of milk from dairies for visible dirt and bacteriological standard, inspection of milk plants and stores and the taking of samples of milk at railroad stations, teams, stores, lunch rooms and hotels,

Laboratory work consists of the analysis of milk, cream, butter, ice cream and vinegar, chemically and bacteriologically, with the exception of butter and vinegar (which are not examined for bact.); the sterilization of all apparatus used in this work; notifying dealers of chemical, bacteriological and sanitary violations and the prosecution of court cases where advice and instruction do not accomplish the required results. Ice cream was added to the work of this department in July, when Chapter 743 of the Acts of 1913 became a law.

Nuisances dealt with by this department were as follows: Dirty milk containers, improper tasting of milk, milk containing foreign substance, improper use of milk bottles, dirty tanks, dirty chests, high temperature, unsanitary cow barn, tuberculous cattle, impure certified milk, and milk believed to be infected.

Table 4.

	1910	1911	1912	1913	1914
MILK INSPECTION—CITY.					
Samples of milk and cream ice cream and vinegar for chemical analysis	1,069	916	1,001	876	787
Number found below grade .	163	98	146	106	70
Samples of milk and cream for bacteriological analysis	281	1,024	740	820	752
Number found above 500,000 bacteria per C. C.	52	62	102	66	58
Temperatures of milk and cream taken	1,350	1,520	1,500	1,690	1,599
INSPECTIONS.					
Number of stores and depots handling milk	588	575	559	480	517
Number of inspections made	985	980	1,002	753	1,004
Number of re-inspections made	25	125	120	687	190
Number found contrary to regulations on 2d insp. . .	25	123	118	98	25
Average number of inspec- tions per store, including re-inspections . . . . .	....	....	....	3	2.35
LICENSES.					
Number of licenses for wagons issued	109	105	98	78	72
Number of licenses for stores issued	472	470	461	480	517
Number of licenses refused .	....	1	2	2	0
Number of licenses revoked .	....	2	1	0	0
LEGAL CASES.					
Suits instituted	22	10	9	7	11
Convictions	20	9	8	6	11
Pending	0	0	0	0	2
Fines imposed	\$145	\$125	\$100	\$62	\$105
MISCELLANEOUS MILK DATA.					
Total daily supply (gals.) .	5,707	5,800	6,000	6,200	5,665
Per cent of milk pasteurized .	40	44	44	56	60
Average price of milk, winter	9	9	9	9	.09
Average price of milk, summer	8	8	8	8	.08
Letters or orders sent. (See sanitary notices.)					
Total daily cream supply (gals.) . . . . .	....	....	....	....	420

Table 5.—Infantile Mortality.

Year.	Births.	Deaths under 1 year, all diseases.	Deaths due to enteric diseases.	Per cent. of deaths from Entero-Colitis under one year of age compared with births.
1910	1558	175	54	3.4
1911	1618	166	48	2.9
1912	1839	142	45	2.4
1913	1861	166	45	2.4
1914	Birth returns incomplete	147	33	Unknown

Table 5 shows a steady increase in the number of births and a gradual decrease in deaths from intestinal troubles. The births for 1914 will unquestionably exceed those of preceding years by a large number, and the deaths under one year of age from intestinal troubles have been reduced over twenty-five per cent.

Epidemics.

There have been no epidemics in this city due to milk during 1914. The epidemic of Foot and Mouth disease discovered among the cattle of this state, affected only two dairies which send milk to Somerville and the milk from these places was immediately excluded from this city.

During 1914 many changes have been made in the manner of handling the milk which is sold in this city. All dealers not equipped with live steam in their milk rooms have been required to install a sterilizing apparatus, and twenty-three dealers complied before they were granted a license.

New Regulations.

Regulations 19 and 20 became operative in February and made it a violation of the milk rules of this city to sell milk, *except* in sealed containers, bottled in proper milk rooms under the strictest sanitary conditions. These regulations effected about forty per cent. of the stores selling milk in this city and improved conditions materially. No loose milk (dip tank milk) is now sold, except in lunch rooms

or hotels and sold there only to be drunk on the premises, and these dealers have a special license. Each distributing plant doing business in Somerville has been scored with the United States score card for city milk plants, and seventy-two dealers average a score of 64.73 the highest being ninety-two, and the lowest 46.5.

Country Inspection.

Many rural districts have no health officer or if they have one, he is a man with no sanitary training. Milk comes from thinly settled sections lacking in health laws and health knowledge. If a city, from lack of inspectors must depend on country inspection for the purity of milk and sanitary surroundings, it will be sadly handicapped.

With the addition to this department of an assistant the work at the producers end can be taken up and much better results obtained.

Dairies.

By the Lorenz method the milk from each dairy is examined for *visible dirt*; dairies that cannot be examined in this manner because a strainer has been in use at the farm, are examined bacteriologically and notices are sent, when there is a variation from our requirements.

A milk may be free from *visible dirt* and yet have a *high bacteriological* count if not properly cooled when shipped and stored.

By straining out the dirt you are simply resorting to "washing filth." All the soluble portions which contain the germs (diseased or otherwise) remain in the milk waiting a favorable opportunity to develop; i. e., when the milk becomes warm to anywhere above 50 degrees Fahrenheit.

New Legislation.

Chapter 744 of the Acts of 1914 reads as follows:—

An Act Relative to the Production and Sale of Milk.

Be it enacted etc. as follows:—

SECTION 1. It shall be unlawful for any producer of milk or dealer in milk to sell or deliver for sale in any city or town in the commonwealth any milk produced or dealt in by him without first obtaining from the board of health of such city or town a permit authorizing such sale or delivery. Said boards of health are hereby authorized to issue such permits after an inspection, satisfactory to them, of the place in which and of the circumstances under which such milk is produced, has been made by them or by their authorized agent. Any permit so granted may contain such reasonable conditions as said board may think suitable for protecting the public health and may be revoked for failure

to comply with any of such conditions. No charge shall be made to the producer for the permit or for the inspection of the dairy where the milk is produced.

SECTION 2. In case any permit so granted is revoked, the board revoking the permit shall immediately send notice of the revocation to the state board of health, and the state board of health shall at once inform the boards of health of other cities and towns in the commonwealth where, in its judgment, milk produced by the dairy to which the permit relates would be likely to be sold or delivered for sale, and the state board of health shall also give notice of such revocation to any dealer in milk who, in the judgment of the board, would be likely to purchase milk from such dairy; and upon receipt of such notice it shall be unlawful for any dealer so notified to sell or offer for sale in this commonwealth milk from the said dairy.

SECTION 3. After a permit has been revoked, it may be renewed in the same way in which the original permit was issued, in which case the same form of notification shall follow as is required in the issuance of the original permit.

SECTION 4. Any person, firm or corporation violating any provision of this act shall be punished by a fine of not more than one hundred dollars for each offence.

SECTION 5. It shall be the duty of the state board of health to enforce the provisions of section two of this act.

SECTION 6. It shall be the duty of the inspectors of milk appointed by the boards of health of cities and towns to enforce the provisions of section one, so far as relates to the milk supply of their respective cities and towns. (Approved July 3, 1914.)

This law makes it compulsory for each city to carry on its own dairy inspection and grant permits to the dealers for each dairy he wishes to use in supplying the city with milk. After an inspection of the premises where the milk is produced by some agent satisfactory to this department. This is very important and will be productive of beneficial results, as heretofore this department has had to rely more or less, on the inspection by health authorities in neighboring cities, who have a larger number of men and are able to carry on this work.

(See country Inspection.)

Bacteriological.

All bacteria samples have been subjected to microscopical examination by the Slack method, and only those samples rich in bacteria have been plated. This has shortened the work of the department materially and allowed for an increased number of microscopical examinations, which has proved of no little importance, as shown by the increased number of infected samples discovered. In table three the samples listed as infected, are those taken from wagons only. In one herd of ten cows, seven proved to be suffering from mastitis. From the eighteen samples of infected milk, forty-four animals were found to be diseased and removed from the herds.

Pasteurization of Milk.

I should like to quote from an article published by the Marine Hospital Service at Washington:—

“Throughout the country there is today a rapid extension of the practise of pasteurizing milk. Some of the larger cities (New York and Chicago) have passed statutes requiring the pasteurization of all milk except that from tuberculin-tested cattle. This growing demand for pasteurization comes from the increasing realization of the fact that milk is a medium for distributing Tuberculosis, typhoid, diphtheria, scarlet fever, septic sore throat, and intestinal troubles, the past ten years having shown hundreds of serious epidemics traced to the milk supply. Moreover it has been realized also that no safeguards placed around milk at its sources can wholly remove these dangers; for occasionally such epidemics have been traced even to certified milk which has been produced under as ideal conditions as it is possible to devise. A typhoid bacillus carrier may at any time unconsciously be employed in a dairy and be the means of a typhoid epidemic among the patrons of the dairy. The impossibility of sufficiently guarding milk at its source has led health authorities to urge pasteurization as the only means of protecting the public from these considerable dangers. This is urged the more confidently because by the American method of pasteurizing, the milk may be rendered safe without changing its physical or chemical character, or its taste and the food value of the milk, but a higher temperature is used in Europe than on this side of the Atlantic. The American method of pasteurization consists in heating the milk to 140 to 145 degrees F. and maintaining that temperature for half an hour. Such treatment does not affect the taste, the cream line, or the digestibility of the milk, but it does destroy all the disease germs that get into the milk and render it safe even for use as food by the delicate infant. Public pasteurization or home pasteurization are equally efficient if performed with care. The only perfectly safe milk for drinking purposes is that which has been pasteurized.”

I should like further to quote from a report of the Health Commissioner of the City of Boston, in charge of the milk and dairy inspection service.

“Fully seventy per cent. of all market milk sold in Boston undergoes one or more heating processes before sale. Of the seventy per cent. mentioned, only five per cent. is perfectly pasteurized by the process approved by the Board of Health. It is my opinion that no milk should be pasteurized for sale, unless each step in the process is watched by an inspector of the department. To carry out this plan in detail

inspectors are being placed in the different receiving plants in Boston whose duty it will be to maintain close supervision over this work during the day and night." Realizing the public demand for the protection of the milk supply, the smaller dealers are endeavoring to find a means to meet this demand. About forty per cent. of the milk used in Somerville is raw milk. If means could be found to provide a Central Pasteurizing Plant under Municipal Control the safety of the citizens of Somerville from infected milk would be assured for all time and the problem of a safe milk supply solved.

Much of the milk pasteurized at present is done for commercial reasons and not for the purpose of destroying disease germs. This is done by the *flash* system and also in holding tanks so large as to prevent a uniform temperature being maintained for the necessary time.

I believe that milk pasteurized and controlled by the city would involve the least possible loss in food value and flavor, also that this is a perfectly practical suggestion, and would involve the least expense to our city, of any system of inspection and control that can be devised.

In closing I wish to remind the citizens of Somerville that the service of this department is at their disposal at all times upon any matter with which we can consistently deal.

Very respectfully,

HERBERT E. BOWMAN,

Inspector of Milk and Vinegar.

SUPPORT OF POOR DEPARTMENT.

Board of Overseers of the Poor.

HENRY F. CURTIS, M. D., President,
ALBERT W. EDMANDS, Vice-President.
PHILIP KOEN.

Committees.

ON FINANCE, INVESTIGATION AND RELIEF, AND CITY HOME—Dr. Curtis,
Mr. Edmands and Mr. Koen.

Secretary.

CORA F. LEWIS.

Clerk.

JEANNETTE M. HUTCHINS.

General Agent.

CHARLES C. FOLSOM.

City Physician.

C. CLARKE TOWLE, M. D.

.. **Warden and Matron, City Home**
Mr. and Mrs. J. FOSTER COLQUHOUN.

Office.

City Hall Annex, Highland Avenue.

REPORT OF OVERSEERS OF THE POOR.

Somerville, Mass., December 31, 1914.

To His Honor, the Mayor, and the Board of Aldermen of the City of Somerville:—

Gentlemen,—We herewith submit our annual report with tables showing the detail work of the department. We expended during the year 1914 about \$46,817, being an increase from the previous year of \$14,044.05. We have had under Chapter 763, Acts of 1913, some over fifty cases. These cases have cost quite a large sum, but we think the results justify the expenditures. As we have had a full year's trial of this law, we are in a position to judge somewhat as to whether it is a real help to the family or stimulates shiftlessness as is claimed by some. We are of the opinion that in most cases it is a real help and prevents a great deal of suffering and hardship. We keep in touch with the families we are aiding, as the law requires that each family be visited as often as four times each year. Aid under the old law has been somewhat affected of course by the liberal way in which the new law governing mothers with dependent children is administered. Our family at the City Home is steadily increasing. We have had during the year ninety-three inmates and at the close of 1914, we have forty-nine in the Home and Hospital. The Hospital has been of great value to us in caring for the sick in the Home and many from the outside. We appreciate very much the work that has been done on the buildings at the Home—painting, building of an office and waiting-room, veranda, etc., and when the boiler is changed and a short fire-escape from the hospital has been provided, we shall feel well satisfied. We would like very much to have a faucet and bowl in the rear office or workroom at the Annex, as it would be a great convenience. We wish to refer to the fact that there has been the largest sum collected by the Treasurer for our department in its history, the total amount from both accounts is as follows: Miscellaneous account, \$11,317.95; City Home account, \$4,573.28; total, \$15,891.23. This is more than double the amount collected in any previous year.

Respectfully submitted,

HENRY F. CURTIS,	{ Overseers of the Poor.
ALBERT W. EDMANDS,	
PHILIP KOEN,	

REPORT OF THE GENERAL AGENT.

Somerville, Mass, December 31, 1914.

To the Overseers of the Poor, Somerville, Mass.

Gentlemen,—The work has been greatly increased during the year past owing in part to the 1913 law, as a large amount of visiting has to be done, much more time also has to be put in at the hospital than formally, owing to the fact that a visitor from our office takes the histories of all the city cases, so collections for the hospital from other cities and towns and the state can be made. There has also been much more work required for looking up the Board of Health cases. All through the year our work has been dragging, and it seems to me only a matter of time when we will have to employ at the busy seasons additional office help. We moved in May and of course we miss our large vault that we had at the other office, it had been fixed up with shelves, drawers, etc., just right, and was said to be the best vault in the city. We have a fine large safe but it is very much smaller than the vault. We like the new offices much better than the old one in some respects, they are more roomy and are finished and furnished in fine style, the location is much better owing to the close proximity to the City Hall Proper, there is also much less noise than on Walnut Street, so on the whole we are well satisfied, or shall be, when we have toilet arrangement on the first floor, and electric lights changed in two or three places so that we can see better to do our work. The law will soon change so that taxes will not be requisite to gaining a settlement for men in any city or town, while this will revolutionize to some extent the working of the pauper laws, yet in some cases and in some cities it will work well we hope, and on the whole will be an improvement.

Respectfully submitted,

C. C. FOLSOM,
General Agent.

Table No. 1.**FULL SUPPORT (During the year.)**

In city home (men 58, women 39)	97
In city home, December 31, 1914 (men 29, women 20) . . .	49
In private families	5
In hospitals for the sick in other towns, cities and state	61
In care of state division minor wards (children) . . .	7

Table No. 2.**PARTIAL SUPPORT (Outdoor Relief.)**

Families	340
Persons aided (including hospital cases)	1,617
Burials	13
Permits to state infirmary	13
Average expense to the city for each (carriage for 2)	\$1 49

Table No. 3.**AID UNDER 1913 LAW.**

Number of applications from widows or deserted women	15
Number of families aided at close of year	35
Number of children	126
Amount earned by mothers and children over fourteen, each week	120 00
Amount allowed each family, from \$2.00 to \$9.00 per week	
Number of out of town families	13
Number having no settlement	6

Table No. 4.
REIMBURSEMENTS.

Commonwealth of Massachusetts	\$5,745 87
City of Boston	1,911 42
“ “ Brockton	308 99
“ “ Cambridge	1,404 57
“ “ Chelsea	24 00
“ “ Everett	139 99
“ “ Fall River	11 43
“ “ Gloucester	10 00
“ “ Malden	256 74
“ “ Marlboro	2 00
“ “ Medford	277 54
“ “ New Bedford	8 83
“ “ Newburyport	92 86
“ “ Newton	35 32
“ “ Springfield	22 29
“ “ Taunton	6 00
“ “ Woburn	167 74
“ “ Worcester	54 29
Town of Arlington	27 23
“ “ Burlington	78 20
“ “ Duxbury	109 34
“ “ Foxboro	44 29
“ “ Hanover	52 58
“ “ Provincetown	90 29
“ “ Saugus	31 25
“ “ Wakefield	4 58
“ “ Whitman	194 88
“ “ Winchendon	4 00
“ “ Winchester	201 43
	<hr/>
	\$11,317 95

Table No. 5.

SOMERVILLE HOSPITAL (PATIENTS ON CITY BEDS.)

Patients having settlement in Somerville	120
Patients having settlement in other cities or towns	50
Patients having no settlement (chargeable to state)	124
Total number of patients sent to hospital	294
Money paid hospital by city for patients settled in Somerville	\$5,000 00
Amount reimbursed to the city and paid to the hospi- tal for patients not settled in Somerville	1,837 55
	<hr/>
Total paid to the hospital	\$6,837 55

Table No. 6.

POPULATION AND GROSS EXPENDITURES, 1883 TO 1914, INCLUSIVE.

Year.	Population (Estimated).	Expenditures.
1883	27,000	\$15,959.80
1884	28,000	17,272.52
1885	*29,992	16,430.32
1886	32,000	14,341.83
1887	34,000	13,430.89
1888	36,000	13,375.98
1889	39,000	14,610.92
1890	*40,117	15,261.14
1891	43,000	15,980.49
1892	46,000	17,015.30
1893	48,000	17,799.58
1894	50,000	19,733.13
1895	*52,200	20,755.46
1896	54,000	21,999.79
1897	56,000	25,681.47
1898	57,500	28,522.21
1899	60,000	28,924.39
1900	*61,643	{ Miscellaneous, \$23,697.62 } { City Home, 5,528.83 } 29,226.45
1901	62,500	{ Miscellaneous, \$29,171.15 } { City Home, 6,622.43 } 35,793.58
1902	63,500	{ Miscellaneous, \$28,667.04 } { City Home, 7,396.64 } 36,063.68
1903	65,500	{ Miscellaneous, \$30,470.20 } { City Home, 7,548.39 } 38,018.59
1904	69,500	{ Miscellaneous, \$20,476.54 } { City Home, 6,563.11 } 27,039.65
1905	*69,272	{ Miscellaneous, \$17,527.88 } { City Home, 7,474.36 } 25,002.24
1906	72,000	{ Miscellaneous, \$18,237.53 } { City Home, 6,806.79 } 25,044.32
1907	74,000	{ Miscellaneous, \$17,852.20 } { City Home, 7,001.23 } 24,853.43
1908	75,500	{ Miscellaneous, \$17,955.34 } { City Home, 6,875.56 } 24,830.90
1909	75,500	{ Miscellaneous, \$16,843.17 } { City Home, 7,562.83 } 24,406.00
1910	*77,236	{ Miscellaneous, \$16,110.42 } { City Home, 7,695.89 } 23,806.31
1911	78,000	{ Miscellaneous, \$16,327.56 } { City Home, 7,842.03 } 24,169.59
1912	81,000	{ Miscellaneous, \$19,201.33 } { City Home, 8,998.97 } 28,200.30
1913	82,000	{ Miscellaneous, \$21,827.73 } { City Home, 10,945.95 } 32,773.68
1914	85,000	{ Miscellaneous, \$35,619.68 } { City home, 11,200.25 } 46,819.93

*Census

Table No. 7.

EXPENDITURES, IN DETAIL, FOR THE YEAR 1914.

1914.	Medicine.	Board.	Groceries.	Somerville Poor in Other Cities and Towns.	Boots and Shoes.	Dry Goods.	Burials.	Salaries.	Fuel.	Sundries.	Cash Paid Out.	Telephone.	Stationery and Printing.	Somerville Hospital.	State Infirmary.	Nursing.	Somerville Poor in other Cities and Towns 1913 Law.	Total.
January . .	\$33.35	\$203.77	\$1,451.30	\$420.50	\$10.60	. . .	. . .	\$366.65	\$245.63	\$3.74	\$412.98	\$17.95	. . .	. . .	\$70.00	. . .	. . .	\$3,236.47
February .	18.40	157.84	880.14	501.08	. . .	\$4.00	. . .	366.65	198.10	. . .	374.15	8.43	\$8.55	\$300.00	. . .	\$51.43	\$194.81	3,063.58
March . . .	13.25	200.23	905.84	461.40	14.00	. . .	\$71.00	366.65	199.96	1.00	873.32	. . .	. . .	150.00	. . .	. . .	. . .	3,256.65
April	37.90	147.91	946.21	197.43	. . .	. . .	18.00	399.99	30.31	4.00	509.97	17.82	6.54	150.00	18.00	20.00	96.00	2,600.08
May . . . . .	. . .	91.60	847.08	634.12	. . .	. . .	19.00	374.99	. . .	27.39	610.90	8.33	12.50	150.00	. . .	. . .	152.33	2,928.24
June	23.38	187.10	781.00	52.85	8.75	. . .	. . .	374.99	7.33	37.50	511.85	8.36	22.05	150.00	. . .	. . .	504.32	2,729.48
July	10.00	139.16	930.00	576.38	. . .	27.93	. . .	434.99	. . .	9.48	608.70	8.50	5.75	150.00	7.00	. . .	. . .	2,907.89
August . .	29.74	62.83	931.50	49.27	. . .	. . .	. . .	324.99	1.15	17.70	719.68	8.77	1.15	150.00	. . .	. . .	. . .	2,296.78
September	20.64	277.61	965.00	378.49	. . .	9.16	60.00	374.99	. . .	22.85	595.05	10.41	16.00	150.00	. . .	10.00	76.42	2,966.62
October . .	5.25	85.00	348.00	. . .	. . .	. . .	50.00	374.99	. . .	14.00	675.80	8.33	2.63	. . .	. . .	. . .	. . .	1,564.00
November .	52.15	144.34	1,725.50	52.39	20.25	2.00	15.00	374.99	225.35	18.00	633.35	8.90	. . .	150.00	55.00	167.75	1,881.08	5,526.05
December .	9.10	70.14	522.00	12.45	. . .	. . .	. . .	375.13	106.86	2.00	. . .	. . .	15.60	337.55	. . .	. . .	. . .	1,450.83
" Sup'ry	. . .	. . .	88.00	1,005.01	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	1,093.01
Totals . .	\$253.16	\$1,767.53	\$11,321.57	\$4,341.37	\$53.60	\$43.09	\$233.00	\$4,510.00	\$1,014.69	\$157.66	\$6,585.75	\$105.80	\$90.77	\$1,837.55	\$150.00	\$249.18	\$2,904.96	\$35,619.68

TABLE 1. (continued)

Sample	Location	Depth (m)	Date	Time (h:min)	Temp (°C)	Salinity	Density (σ _t)	Speed (cm/s)	Direction (°)
100	100	100	100	100	100	100	100	100	100
101	101	101	101	101	101	101	101	101	101
102	102	102	102	102	102	102	102	102	102
103	103	103	103	103	103	103	103	103	103
104	104	104	104	104	104	104	104	104	104
105	105	105	105	105	105	105	105	105	105
106	106	106	106	106	106	106	106	106	106
107	107	107	107	107	107	107	107	107	107
108	108	108	108	108	108	108	108	108	108
109	109	109	109	109	109	109	109	109	109
110	110	110	110	110	110	110	110	110	110
111	111	111	111	111	111	111	111	111	111
112	112	112	112	112	112	112	112	112	112
113	113	113	113	113	113	113	113	113	113
114	114	114	114	114	114	114	114	114	114
115	115	115	115	115	115	115	115	115	115
116	116	116	116	116	116	116	116	116	116
117	117	117	117	117	117	117	117	117	117
118	118	118	118	118	118	118	118	118	118
119	119	119	119	119	119	119	119	119	119
120	120	120	120	120	120	120	120	120	120

TABLE 2. (continued)

Overseers of the Poor of Somerville
SINCE THE REORGANIZATION IN 1885.

† Hon. Mark F. Burns, chairman, ex-officio	1885	1888 inclusive	
† Col. Herbert E. Hill	1885	1889	"
† Charles S. Lincoln, Esq., chairman	1885	1887	"
Hon. Edward Glines	1885	1887	"
† Charles G. Brett (president 1888-1892)	1885 April 1893 inclusive		
Edward B. West (president May, 1894, to February, 1912)	1888	to 1912	"
† Daniel C. Stillson	1888 April 1892		
† Hon. Charles G. Pope, chairman ex-officio	1889	1891	"
Nathan H. Reed (president 1893 to April 1894)	1890 April 1894		
† Hon. William H. Hodgkins, chairman ex-officio	1892	1895	"
James G. Hinckley May	1892	1894	"
Albert W. Edmands May	1893 to date*		
Herbert E. Merrill May	1894	1909	"
† Ezra D. Souther	1895 Feb. 1898 (Died)		
Hon. Albion A. Perry, chairman, ex-officio	1896	1898 inclusive	
James H. Butler March	1898	1899	"
Hon. George O. Proctor, chairman, ex-officio	1899		
Henry F. Curtis, M. D.	1910 to date* inclusive		
Philip Koen	1912	" " *	"

* Present member.
† Deceased.

Table No. 8.

RECAPITULATION (MISCELLANEOUS.)

Appropriation and transfers	\$35,619 68	
Reimbursements	11,317 95	
		<hr/>
Total receipts		\$46,937 63
Total expenditures		35,619 68
Net expenditures		24,301 73

REPORT OF WARDEN OF CITY HOME.

City Home, January 1, 1915.

To the Overseers of the Poor, Somerville, Mass.:—

Gentlemen,—I submit the following as the report of the warden of the city home for the year ending December 31, 1914:—

Table No. 1.

REIMBURSEMENTS.

Farm produce sold	\$3,774 01	
Board of sundry persons	799 27	
	<hr/>	\$4,573 28

Table No. 2.

LIVING EXPENSES.

Salaries and wages	\$4,170 05	
Groceries	2,235 22	
Provisions	1,072 98	
Dry Goods	504 60	
Boots and shoes	158 74	
Grain	393 95	
Hay	495 62	
Seeds	123 83	
House furnishings	228 19	
Kitchen furnishings	54 24	
Sundries	332 18	
Cash paid by warden, car fares, for warden, inmates, and laborers	97 97	
Medicine	108 89	
Horse shoeing	54 60	
Live stock	79 50	
Repairs on sash	16 76	
Repairs on wagons	101 70	
Telephone	52 48	
Farm sundries	326 49	
Garbage and bedding	315 00	
Ice	111 15	
	<hr/>	\$11,034 14
Credits:—		
Farm produce	\$3,774 01	
Board of sundry persons	799 27	
	<hr/>	\$4,573 28
Net living expenses		<hr/> \$6,460 86

Table No. 3.

Number of weeks' board of inmates	2,193 2-7
Number of males admitted during 1914,	43
Number of females admitted during 1914,	27
Number of males discharged during 1914	24
Number of females discharged during 1914	20
Number of males supported during 1914	57
Number of females supported during 1914	41
Number of males died during 1914	8
Number of females died during 1914	6
Number of inmates in home, December 31, 1914	49

City Home Hospital.

Number of weeks' board	341 4-7
Number of patients admitted	41
Number of patients in hospital December 31, 1914	6

Table No. 4.**FARM ACCOUNT.
REIMBURSEMENTS.**

Farm produce sold	\$3,774 01	
Produce used at home	300 00	
Milk	535 80	
		<hr/>
		\$4,609 81

EXPENSES.

Wages for help	\$1,335 67	
Feed for one horse	154 41	
Feed for three cows	426 21	
Shoeing one horse	18 20	
Repairs on wagons	101 70	
Farm sundries	326 49	
Garbage and bedding	315 00	
Live stock	79 50	
Seeds	123 88	
		<hr/>
		\$2,881 06
Balance		<hr/>
		\$1,728 75

Table No. 5

Repairs on pig yards, greenhouse	\$166 11
Painting walls, changing water service and general repairs, living expenses	11,034 14
	<hr/>
	\$11,200 25

Table No. 6.

Reimbursements	.	.	.	.	.	.	.	.	.	\$4,573 28
Net expenditures	.	.	.	.	.	.	.	.	.	6,626 97
Total expenditures	.	.	.	.	.	.	.	.	.	\$11,200 25
Appropriation	.	.	.	.	.	.	.	.	.	11,000 00
Overdrawn	.	.	.	.	.	.	.	.	.	\$200 25

Respectfully submitted,

J. FOSTER COLQUHOUN,

Warden.

REPORT OF THE CITY PHYSICIAN.

OFFICE OF THE CITY PHYSICIAN,
Somerville, January 1, 1915.

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—The work of your City Physician during the year 1914 is presented in the following abstract:—

Office consultations and treatments	620
Total outside visits	1,328
Confinements	12
Vaccinations	109
Visits at city home	114
Attended at police station	42
Examinations:—	
For legal department	29
For highway department	41
For police department	18
For fire department	9
For water department	3

Respectfully submitted,

C. CLARKE TOWLE,
City Physician.

REPORT OF THE CITY ENGINEER.

OFFICE OF THE CITY ENGINEER,
CITY HALL, SOMERVILLE, January 20, 1915. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen: In accordance with the provisions of the city charter, the following report of the work done and expense incurred for the year ending December 31, 1914, by the Engineering department and appropriations under my charge and supervision, including the accounts of City Engineer, grade crossings, sewers construction, sewers maintenance, public grounds, parks and playgrounds, and other public works, is herewith presented.

ENGINEERING DEPARTMENT.

City Engineer Account.

Statement of Expenses, 1914.

Salary of City Engineer	\$3,100 00	
Salaries of assistants (see itemized statement following)	7,714 53	
Stakes, tools and general supplies (outside work)	54 82	
Draughting materials and office supplies (inside work)	146 06	
Car fares and miscellaneous expenses (assistants)	184 50	
Maintenance of automobile and motor cycle	570 42	
Telephone, postage and expressing	97 96	
Incidentals	77 10	
Total debit		\$11,945 39
CREDIT.		
Appropriation	\$11,500 00	
Amount received from other accounts services rendered	445 80	
Total credit		\$11,945 80
Balance unexpended		\$0.41

Classification of Expenses, Assistants' Salaries.

Sewers,—comprising surveys, estimates, profiles, lines, grades, titles, plans, assessments, and all engineering work relating to sewers	\$985 15
Highways,—comprising plans, estimates, titles, profiles, lines and grades, inspection of paving and all other engineering relating to the department	1,360 08
Sidewalks,—comprising profiles, lines, grades, measurements, titles, costs and assessments	973 20
Bridges and Grade Crossings,—comprising surveys, plans, profiles, estimates, lines and grades, etc.	58 65
Water Works,—comprising lines, grades, locations of mains, gates, hydrants and services and other matters relating to the department	504 50
Public Grounds and Parks,—comprising surveys, plans, estimates, profiles and grades, including laying out of parks and playgrounds and boulevard	485 75
Public Buildings,—comprising surveys, estimates, lines, and grades, and other work relating to construction and laying out of grounds	43 90
Street Numbering,—comprising locations of buildings, plans, and affixing street numbers on houses	214 62
Street Lines and Grades,—comprising establishing of lines, grades, and miscellaneous data given parties for building and grading	248 83
City Survey,—comprising establishing of street lines, acceptance plans, and miscellaneous survey work for city map, etc.	692 40
Middlesex Registry,—comprising copying of plans, and abstracts from deeds and examination of titles filed at East Cambridge, also tracings of street acceptance and sewer taking plans filed for record	237 70
Private Corporations, Railway, Telephone, Electric Light and Gas Light Companies,—comprising grades, plans, profiles, and office notes, locations of poles and conduits	156 35
Office Work,—comprising records of all locations, indexing, typewriting, bookkeeping, calculations, reports, and general draughting	1,072 48
Miscellaneous Work,—comprising preliminary surveys, designs, sketches etc., relating to various schemes for different committees	123 67
Vacations, Holidays, and Sickness	557 25
Total	<hr/> \$7,714 53

Office Records and Value of Instruments.

Number of survey note-books, sewer permit books, deed books, calculation books and record books—three hundred and fifty-six.

Number of plans, including sewers, highways, parks, house lots, etc.—seven thousand two hundred and ninety.

Value of field instruments, tools, and office instruments	\$2,500 00
---	------------

The number of assistants employed during the year on engineering work varied from seven to ten.

The total cost of maintaining the Engineering department (City Engineer account) since it was established; 1872-1914, both years inclusive) has amounted to \$331,736.

General Work. Under the title of Engineering Department a varied line of city work is carried on each year, including the designing and superintending of the construction and maintenance of sewers, parks, playgrounds, boulevards, bridges, and other public works as may be authorized; the making of such surveys, plans, profiles, estimates, descriptions of property, specifications and contracts for work as the mayor, board of aldermen, or any committee or department may require; the custody of all plans and data relating to the laying out, widening or discontinuing of streets, the computing of all sewers, sidewalk, and street betterment assessments, and the recording and indexing of all work under the control of the city engineer.

The city ordinances require that the city engineer must be consulted on all work where the advice of a civil engineer would be of service; and no structure of any kind can be placed upon, beneath, or above any street, by any department of the city, corporation, or individual, until a plan is furnished showing the location and approved by him.

During the year the department made plans and established grades for the acceptance, under the betterment act, of eight new public streets, a total length of 2,338 feet (.44 mile).

Plans have been made of fourteen private streets for acceptance as public streets, during the year, as ordered, but not as yet made public, and there are plans for acceptance of eight other private streets, previously made, on file in the office that for various reasons are still unaccepted as public streets.

Stone bounds have been reset in Portland cement concrete at a number of street intersections and angles, to define and preserve the true lines of public streets, and this work should be continued as much as possible each year. These bounds are also of great convenience in establishing permanent "Bench Marks" throughout the city for giving grades.

No new street bounds were set during the year 1914. There are at the present time 576 stone bounds set in the city for defining street lines.

The total length of public streets in the city is 80,235 miles, and private streets 19,139 miles. (See table in this report for location, width, length, etc.)

Streets Accepted as Public Highways in 1914, Under the Betterment Act.

NAME OF STREET.	WARD.	FROM	To	Width in Feet.	Length in Feet.	Date of Acceptance.
Bristol rd. . . .	7	Broadway . .	Medford line .	40	146	Dec. 30
Gibbens st. . . .	6	Benton road .	Westerly . . .	40	133	Dec. 30
*Harding st. . . .	2	Ward st. . . .	Cambridge line	30	395	July 10
Horace st. . . .	2	Ward st. . . .	South st. . . .	30	222	Dec. 30
Sacramento st. .	6	Beacon st. . .	Cambridge line	40	154	July 10
Stone pl.	3	Stone ave. . .	Southeasterly .	30	142	Dec. 30
Walker st. . . .	7	Broadway . . .	Leonard st. . .	40	713	Dec. 30
*Ward St.	2	Medford st. . .	Harding st. . .	30	423	July 10
Total . . . . .	..	. . . . .	(0.443 miles)	.....	2,338	.....

*No assessment. (Granite block pavement.)

Length of Public Streets in Each Ward.

	Miles.
Ward one	9.745
Ward two	9.135
Ward three	7.587
Ward four	9.797
Ward five	12.100
Ward six	13.334
Ward seven	18.537

Total length of public streets in the city . 80.235

A number of street names have been changed and plans made, showing a re-numbering of the buildings, and all old numbering plans revised, new houses plotted, and numbers assigned.

Some of the old main thoroughfares should be re-numbered throughout the entire length, so as to eliminate half numbers and letters now being used, as many of these old streets have outgrown their original numbering.

There are many streets, avenues, courts, and places in the city of the same or very similar name, which should be changed to prevent the confusion now existing.

During the year 1914 approximately \$127,100 were spent on the improvement of city streets and about \$40,500 in the construction of new sidewalks (exclusive of maintenance) and the total expenditure was far in excess of any previous year for similar work.

This construction work was carried on jointly by the Engineering department and the Highway department, sixty-two and one-half per cent. of the total cost of new street construction being done by contract, and thirty-seven and one-half per cent. being done by the city highway department, day labor.

Fifty-five per cent. of the cost of constructing new granolithic sidewalks by contract, and forty-five per cent. by the city highway department, day labor.

The contractors were James H. Fannon, Somerville, and Charles A. Kelley, Somerville, for street construction work and Dennis I. Crimmings, Somerville, for sidewalk work.

Two thousand seven hundred and seven square yards granite block pavement (concrete base) have been laid in Ward street, Harding street, and a part of Columbia street, a total length of 1,092 feet, at a contract price of \$2.85 per square yard complete.

Three thousand six hundred and four square yards vitrified brick pavement (concrete base) have been laid in Cutter square and Springfield street, a total length of 1,240 feet by contract, at a cost of \$2.63 per square yard complete.

Twenty-three thousand, nine hundred square yards bituminous macadam pavement (concrete base) has been constructed in three sections of Broadway, (Magoun square to near Boston & Maine railroad bridge—Ball square to Powder House square—Teele square to near Arlington line) in Prospect street, (Washington street to near Fitchburg railroad bridge) and the westerly side of Elm street, (Cutter square to Oak square) a total length of 9,423 feet, at a contract price of \$1.36 per square yard complete.

Four thousand fifteen square yards of this kind of pavement, a length of 1,085 feet was constructed in a portion of Willow avenue by the Highway department, day labor.

Eighteen new streets have been constructed, under the betterment act, with a bituminous wearing surface, concrete gutters and granite curbstone; a total length of 8,773 feet. Fourteen were done by contract and four by day labor.

The average cost of constructing a forty-foot street complete, by contract, was \$4.35 per linear foot, and by Highway department, day labor, \$5.50 per linear foot.

The total betterment assessments amounted to \$18-114.68.

Fifteen streets were constructed by the Highway department by day labor, a total length of 12,384 feet, at a cost of \$31,354.51.

Fourteen thousand five hundred ninety-one and one-tenth square yards of granolithic sidewalk, a total length of 20,139.8 feet were constructed by contract during the year, at a contract price of \$1.33 per square yard.

Ten thousand, six hundred twenty-eight and seven-tenths square yards of granolithic sidewalk, a total length of 15,451.6 feet constructed by the Highway department at an average cost of \$1.51.

The total length of permanent paved streets in the city amounts to 12.7 miles.

The policy recently adopted of permanently constructing the city's main thoroughfares in preference to side streets has commenced to show good results.

In a few years' time, by the continuation of permanently constructing the remaining roadways, namely, on Broadway, sections of Summer, Washington and Beacon streets, and some of the principal cross-town streets, the city will have main thoroughfares that will compare favorably with any city in the state.

Many times in the past, streets newly constructed, or where an improved pavement is laid, are torn up and excavations made a short time after being built, when the changes should have been made considerably in advance of the new street construction work.

Previous notice of the city's intended street improvements should be given the various departments and interested private corporations and ample time allowed for making all extensions and repairs of underground work; and no permission should be granted to cut any newly constructed street, except for emergencies or under special conditions, where a sufficient sum of money is paid the city for damages.

Table of Street Construction.

	Square Yds.	Miles.
*Streets paved with granite blocks	102,521	4.33
Streets paved with Hassam pavement	36,802	1.80
Streets paved with asphalt	10,410	0.73
Streets paved with vitrified brick	17,168	0.87
Streets paved with bitulithic	14,689	0.88
Combination pavement (concrete base with bituminous top)	60,567	4.08
**Streets macadamized (tarvia bound)		22.18
†Streets macadamized (water bound)		44.75
Streets graveled or unimproved		19.75
Total		99.37

Lines and grades have been given for setting 23,101 linear feet (4,375 miles) of new edgestone, and 437 square yards (0.115 mile) of new brick sidewalks and 25,220 square yards (6.741 miles) of granolithic sidewalks have been laid, and measurements taken for computing assessments; 0.34 of a mile of edgestone has been reset and in addition to this 1,152 miles of granolithic sidewalks have been laid on private streets by property owners.

In connection with setting edgestones 2,931 square yards of new concrete gutters have been laid by contract at an average of \$1.68 per square yard, and 1,505.7 square yards have been laid by the Highway department, by day labor, at

*Also 31.9 miles (single track) electric railway paved with granite asphalt, bitulithic, etc.,

**Includes 3.29 miles of boulevard and 1.16 miles state highway.

†Includes 0.44 miles state highway.

an average cost of \$2.50 per square yard; also 682.4 square yards of granite block gutters.

A number of driveways and crossings have been constructed, all requiring lines, grades, and measurements.

(See tables for cost of new work, 1914, and total lengths of sidewalks constructed in the city to date.)

The average cost for the year has been as follows:—

For setting edgestone with gravel sidewalk	
by Highway department	\$0.99 per linear foot
For setting edgestone with gravel sidewalk	
by contract	\$0.81 per linear foot
Laying brick sidewalk, complete	1.29 per square yard
Laying granolithic sidewalk, complete, by	
Highway department	1.51 per square yard
Laying granolithic, complete, by contract	1.33 per square yard

And the cost of materials furnished by contract:—

Edgestone (straight) delivered at work	\$0.55 per linear foot
Edgestone (circle) delivered at work	0.73 per linear foot
Bricks delivered at work	14.75 per M.
Cement (Portland) on cars	1.26 per barrel (net)
Sand and gravel on cars	0.70 per cubic yard
	(average)
Trap-rock delivered on work	1.45 per ton (average)

In sections of the city where brick sidewalks have been laid many years, and must necessarily be relaid on account of deterioration and unevenness, granolithic should be substituted in the place of brick.

Miles of Edgestone, Granolithic and Brick Sidewalks in Each Ward.

	Edgestone.	Gravel Sidewalk.	Brick Sidewalk.	Granolithic Sidewalk.
Ward one	18.042	4.682	12.093	2.742
Ward two	15.769	6.983	6.730	2.051
Ward three	14.205	1.555	11.572	1.071
Ward four	14.563	1.583	9.993	3.135
Ward five	21.502	5.753	12.194	3.743
Ward six	23.810	5.670	10.678	8.637
Ward seven	27.010	6.506	8.478	14.514
	<hr/> 134.901	<hr/> 32.732	<hr/> 71.738	<hr/> 35.909

A considerable quantity of stone still remains on the two parcels of ledge property owned by the city, situated in West Somerville, that can be quarried and used for the foundation of streets, and on sidewalk work, to the city's advantage. By using the stone from these two ledges and purchasing trap-rock the city will have a sufficient supply of good road material for a number of years to come.

Lines and grades have been given for laying 5,708 linear feet of new city water mains, varying in size from two inches to twelve inches in diameter. Two hundred and thirty-two

Table Showing Sidewalks Constructed (proportional part of cost assessed on abutters) in 1914.

STREET	Ward.	SIDE.	FROM	To	WIDTH OF SIDEWALK IN FEET.	MATERIAL.				Total Cost
						Gravel and Edge- stone. Lineal Feet.	BRICK.		GRANOLITHIC.	
						Lin. Feet.	Sq. Yards.	Lin. Feet.	Sq. Yards.	
Acadia park	6	Both	Somerville avenue	End of street	6.67	*481.6				
Albion	5	Northeasterly	Central street	Centre street	{ 6.67 9.67			634.0	545.0	\$724.85
Aldrich	4	Southeasterly	Pearl street	Flint street	6.67			223.1	151.7	204.73
Ashland	6	Westerly	Summer street	Sartwell avenue	5.00			487.0	236.7	393.52
Atherton	6	Northeasterly	In front of Girls' Vocational School	Ames street	6.67	71.0		89.7	54.5	205.72
Bartlett	5	Southeasterly	Vernon street	Scott street	6.67			344.0	232.5	344.88
Beacon	2	Westerly	Washington street		11.00	866.1				
Belmont	6	Both	Summer street	Somerville avenue	{ 7.50 8.00			2,384.0	1,830.6	2,513.13
Billingham	7	Southeasterly	Kenwood street	William street	6.67	145.3		405.0	272.5	545.50
Boston avenue	6	Both	Morrison avenue	Frederick avenue	6.67	*1257.1				
Boston avenue	6	Both	Morrison avenue	N'E'y to and inc. No. 19 & 20	6.67			587.4	396.4	539.51
Broadway	1	Northeasterly	Austin street	Cross street	15.00	Gran. 8.0, sod } rem. width }		1,212.3	1,230.0	1,876.05
Broadway	4	Northeasterly	In front of estate of Katharine C. Kelley et al.		.....	(Replacing Sod.)	42.5			52.75
Broadway	5	Southwesterly	In front of estate of D. W. Sanborn, No. 382		.....	(Replacing Sod.)	6.1			11.13
Broadway	5	Northeasterly	William street	Alfred street	15.00	Gran. 8.0, sod } rem. width }		412.5	408.0	625.23
Broadway	7	Northerly	Packard avenue	Westminster street	11.00			418.1	489.9	651.57
Broadway	7	Southerly	Teele square	City ledge property	11.00			415.1	477.5	691.14
Broadway	7	Southerly	Clarendon avenue	E'y in front No. 1156	11.00			107.7	120.8	224.20
Buckingham	2	Both	Beacon street	Dimick street	6.67			583.5	392.0	539.16
Cameron avenue	7	Northwesterly	Mead street	Malvern avenue	10.00	Gran. 6.0, sod } rem. width }		191.0	145.4	257.44
Cedar	5	Southeasterly	Hudson street	Alpine street	6.67			364.6	243.6	388.37
Central street & Highland avenue	6	S. W. corner	In front of K. of C. Building		{ 6.67 10.00			295.0	240.0	319.20
Chester avenue	4	Northerly	In front of estate of S. B. Condit No. 23		4.00			60.0	22.5	50.99
Clarendon avenue	7	Both	Broadway	Camb. line (except ledge lot)	6.67	1,701.2		1,526.3	1,030.0	3,327.82
Clark	2	Both	Newton street	Lincoln Parkway	5.83	*1,120.7				
Conwell	6	Northwesterly	Highland avenue	End of street	5.83			367.0	212.3	342.54
Conwell avenue	7	Both	Curtis street	near North st. (where not laid)	6.67			2,207.5	1,413.4	2,145.95
Cross and Allston	1	N'E'y corner	In front of estate of Sears	B. Condit	{ 6.67 7.50			91.1	69.8	110.41
Curtis	7	Easterly	Electric avenue	Teele square	6.67			313.8	212.7	282.89
Cutter avenue	7	Both	Highland avenue	Cutter square	6.67			861.3	569.5	773.31
Cutter square	7	Southeasterly	Elm street	Summer street	6.67	63.2				
Dane avenue	2	Both	Leland street	Dane street	5.00	1,063.4		1,152.7	560.8	1,866.64
Dearborn road	7	Southwesterly	In front of No. 32		8.33			75.0	56.7	77.37
Delaware	4	Both	Pearl street	Aldrich street	6.67			896.2	607.6	850.41
Elm	6	Westerly	Beech street	White street	10.00	711.8				
Elm	7	Westerly	Russell street	Miller avenue	10.00	282.4				
Elmwood	7	Both	Holland street	near Cambridge line	6.67			1,781.0	1,188.8	1,648.77
Fairmont avenue	7	Both	Curtis street	End	6.67			1,212.0	831.1	1,106.69
Fenwick	5	Both	Heath street	Near Broadway	6.67			476.0	308.3	410.04
Fisk avenue	5	Both	Lowell street	Hinckley street	2.75	*955.3				
Frederick avenue	6	Both	Boston avenue	Willow avenue	6.67	*1,672.4				
Fremont	5	Both	Meacham street	Near E. Albion street	6.67			974.6	656.0	890.98
Hall	6	Northeasterly	Cedar street	Cherry street	5.00	419.8		457.0	222.3	809.20
Harding	2	Both	Ward street	Cambridge line	5.00	648.9				
Harold	2	Both	Dimick street	Marion street	6.67	*598.4				
Harold	2	Southeasterly	Dimick street	Marion street	6.67			343.7	231.8	352.91
Henderson	5	Both	Richardson street	B. of L. R. R.	2.75	*1,055.6				
Holland	7	Easterly	Irving street	Simpson avenue	10.00			190.0	196.8	286.29
Holland	7	Easterly	City ledge property	Land of Taapken	10.09			149.9	147.6	252.97
Houghton	2	Both	Springfield street	Cambridge line	6.67			1,068.5	719.8	985.09
Ibbetson	6	Both	Lowell street	Somerville avenue	6.67			1,552.0	1,049.2	1,411.31
Jasper	4	Westerly	Pearl street	Gilman street	6.67			282.2	191.5	254.70
Jay	7	Westerly	Holland street	Howard street	6.67			561.5	378.3	504.47
Landers	3	Both	School street	Westerly	6.67	*438.6		460.6	307.8	410.70
Lowell	6	Southeasterly	Highland avenue	Albion street	6.67			391.0	265.0	369.18
Main	5	Southwesterly	In front of estate No. 33.		6.67			66.6	45.1	70.53
Mallet	7	Northeasterly	Lowden avenue	near Bay State avenue	6.67			101.3	67.0	113.15
Moreland	5	Westerly	Main street	Mystic avenue	6.67			1,321.0	894.0	1,216.78
Newbury	7	Northwesterly	In front of estate of Samuel W. Flax		6.67	129.8		129.8	88.0	264.84
Newton	2	Southerly	In front of estate A. C. Rogers No. 92		6.67		104.5	70.8		94.60
Norfolk	2	Both	Webster avenue	Cambridge line	6.67			537.5	364.5	575.81
Orchard	7	Northeasterly	Chester street	Meacham rd. (where not laid)	6.67		479.0	317.4		403.06
Orchard	7	Both	Chester street	Meacham rd. (where not laid)	6.67	611.3				
Ossipee road	7	Both	Mason street	Packard avenue	6.67	*1,282.4				
Ossipee road	7	Both	Mason street	Packard ave. (where not laid)	6.67			364.4	438.7	626.98
Paulina	7	Both	Holland street	Broadway	6.67			1,565.7	1,003.3	1,386.85
Perkins	1	Northeasterly	In front of estate Armstrong No. 97		7.67			47.2	36.5	
Porter	6	Northwesterly	In front of estates 64 and 70		7.50			147.0	113.0	172.22
Prospect	2	Both	Washington street	Prospect pl. (where not laid)	8.33	474.2				
Rhode Island avenue	1	Both	Pennsylvania avenue	Mystic avenue	7.50	*989.7				
Rhode Island avenue	1	Both	Pennsylvania avenue	Mystic avenue	7.50	(Narrow walks from grano, sidewalk to edgestone)		44.3		114.64
Russell road	7	Both	Broadway	Hamilton road	6.67	*1,079.0				
School	3	Northwesterly	Preston road	Landers street	6.67	194.0		194.0	130.7	428.07
Somerville ave. & Elm	6	Easterly	Craigie street	near Porter street	10.00			342.4	351.2	467.10
St. James avenue	7	Both	Summer street	Northeasterly to end	5.00	*240.8		251.7	123.0	163.59
Sunnyside avenue	4	Both	Walnut street	Wigglesworth street	5.83			511.4	298.5	596.98
Sycamore	5	Westerly	Central road	B. & L. R. R.	5.83			291.4	168.7	285.67
Taylor	4	Both	Sydney street	Mystic avenue	6.67	*644.7		616.6	417.6	554.80
Tremont	2	Both	Webster avenue	Cambridge line	6.67			1,113.5	753.0	1,068.56
Walnut road	4	Both	Walnut street	Kenneson road	6.67	541.0				
Walnut road	4	Northeasterly	In front of estate L. W. Hazen		6.67			78.5	53.2	70.76
Walnut	4	Northwesterly	Medford street	Highland avenue	8.00			222.4	185.8	300.00
Ward	2	Both	Medford street	Harding street	5.00	857.2				
Washington	2	Northerly	In front of Nos. 405 & 407		10.00			42.9	45.5	60.52
Washington & Hanson	2	N. E. cor.	In front of estate Michael H. Dewire		{ 10.00 5.00			249.3	170.9	227.30
Waterhouse	7	Both	Broadway	Cambridge line	6.67	*1,919.4		791.9	385.5	520.65
Winter	7	Both	Holland street	College avenue	5.00					
Woodstock	7	Both	Victoria street	west of Waterhouse street	6.67	*537.0				
Wisconsin avenue	1	Both	Broadway	Pennsylvania avenue	11.50	(Narrow walks from grano, sidewalk to gutter line)		125.1		249.00
Wisconsin avenue	1	Circles at Pennsylvania avenue			11.50	47.6				
Total assessment, \$20,033.56.					Net cost to city, \$20,428.61.					

NAME	RESIDENCE	DATE
J. H.
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new house services, many gates, hydrants, water posts, and blow-offs have been located and recorded, sketches and plans made showing the same, and the large water-works wall maps corrected to date; also a large number of old water services where new meters were installed, have been located and recorded.

A set of block plans should be made, covering the entire city area, from accurate surveys made during the past twenty-five years, and compared section by section with the deed dimensions and areas recorded in the assessor's department, and in this manner the correct areas of land determined.

This set of plans would show the area and dimensions of each lot, all houses and other buildings, sewers, catch basins, house drains, water services, gas mains, underground conduits for wires, street lights, street railway tracks, etc., and be of great value to many city departments. Five of these sectional plans have already been made. A separate appropriation should be made for completing these plans.

Plans have been made and photographs taken where accidents have occurred on the city work, or where boundaries were in dispute, special plans and data prepared for the city solicitor's use in court cases and hearings.

All plans of estates in Somerville recorded at the Registry of deeds, East Cambridge, including land court plans, have been copied, also titles examined, abstracts from deeds made for the purpose of assessments, and the proportional part of the cost of new work computed, and the schedules of assessments made out showing the property owners. Copies have been made of all city plans where land has been taken for highways or sewers, and these have been filed and recorded at the Registry, East Cambridge, as required by law.

Plans have been made by the various companies and corporations, and filed in the city engineer's office, showing the locations of gas mains, poles, tracks, and conduits in this city, which have been granted by the board of aldermen during the year; and the work of placing overhead wires in conduits underground and removing all poles from the streets should be extended as rapidly as possible.

At the present time, there are underground in the city's streets 16.7 miles of telephone conduits, 8.59 miles of electric light conduits, 1.4 miles of electric railway conduits and about 9.1 miles of underground conduits used for the city's wires.

The Cambridge and Charlestown Gas Companies have extended their mains in the city's streets 0.83 mile the past year.

Heavy explosions have occurred in the city's streets from underground conduits, owned by private corporations.

The city ordinances should be so changed that in the future all underground work constructed by these companies should be rigidly inspected by a competent man employed by the city, so as to eliminate as far as possible faulty construction.

The Boston Elevated railway has made extensive repairs in its roadbed in this city during the past year, replacing the old tracks with new and heavier rails, filling the space between the ties with Portland cement concrete, and grouting the granite block pavement with cement in Springfield street and sections of Elm street and Broadway.

Where double car tracks have been laid in streets, leaving narrow roadways on either side, it is impossible to maintain a macadam surface, even at a heavy expense yearly, and these streets should be permanently paved with a suitable pavement, adapted to the character of the surroundings and amount of traffic and conditions encountered.

There are 31.9 miles of electric railroad (single track location) laid at the present time in the city's streets; and in watering the main thoroughfares, time and expense could be saved by utilizing this trackage for running street-sprinkling cars, the same as operated in a number of cities throughout the state.

Grade Crossings Account

Statement of Expenses, 1914.

Paid for damages to property and land and buildings taken	\$83,568 61	
Paid various parties for appraisal of property and damages	1,407 25	
		<hr/>
		\$84,975 86
CREDIT.		
Received from Commonwealth of Massachusetts, Boston and Maine Railroad (lessee) and Boston Elevated Railway. apportionment of cost by decree of court and auditor		\$80,783 15
		<hr/>
		\$4,192 71

No actual construction on grade crossing abolishment has been done during the past year. At Medford street, however, an automatic pump has been installed for removing storm water from the subway under the steam railroad tracks and discharging into a city sewer at a higher elevation—this means of disposal of water being made necessary by an act of legislature. The operation of this pump has not proved satisfactory to the city up to the present time.

Probably work will be commenced at the Park-street crossing in the near future. The construction work for the elimination of these dangerous grade crossings will be con-

tinued until completed as decreed by the court, and the total cost of the work as completed, will be apportioned as follows: the steam railroad company, sixty-five per cent.; the state, twenty-five per cent., and the city, ten per cent., except at the Somerville avenue and Webster avenue crossings, where the steam railroad and the city pay the same percentage of cost as at other crossings; the state twelve and one-half per cent. and the street railway company twelve and one-half per cent.

The plans for abolishments of these crossings were described in previous annual reports and at two streets the plan adopted is the same as proposed by the city's scheme presented to the commission; at the other three streets the plan adopted is just the reverse of the city's scheme, as presented.

City Boundary Lines. A number of the stone boundary markers, defining the division lines between Somerville-Cambridge and Somerville-Medford, are out of plumb and should be reset.

A contemplated change in the boundary line between Somerville and Medford is under consideration by both cities, and probably an exchange of territory can be made that will be equally advantageous.

SEWER DIVISION.
Construction Account.

STATEMENT OF EXPENSES. 1914.

Constructing "separate system" sewers (assessments levied)	\$3,135 11	
Constructing "combined system" sewers (assessments levied)	509 09	
Constructing "separate system" sewers (no assessments)	995 43	
Constructing storm drains	1,067 75	
Constructing catch basins and manholes, street drainage	3,451 78	
Constructing Middlesex avenue state high- way, street drainage	483 20	
Sundries, payment assessments, books . etc.	113 83	
Materials on hand December 31, 1914 . .	1,010 48	
<hr/>		
Total expenditure		\$10,766 67
Transferred to other accounts		4,200 00
<hr/>		
Total debit		\$14,966 67
CREDIT.		
Balance unexpended December 31, 1913 .	\$ 4,391 68	
Appropriation, 1914	20,000 00	
Assessments levied, sewers constructed, 1914	2,779 03	
Amount received for old material . . .	150 68	
Materials on hand December 31, 1913 . .	746 69	
<hr/>		
Total credit		\$28,068 08
<hr/>		
Balance unexpended		\$13,101 41

The greater part of the new construction work has been done by contract, and the remainder by the city employing day labor, where old structures were to be remodeled or replaced by some difficult construction work. All materials have been furnished by the city, and the prices paid for supplies for the season, have been by contract with the lowest bidder as follows:—

Sewer pipe (3 ft. lengths) .	0.69% discount from list price on cars
Sewer pipe fittings . . .	0.69% discount from list price on cars
Portland cement per barrel	\$1.26 on cars (net)
Sand per cubic yard . . .	0.65 on cars
Sewer bricks per M. . . .	9.75 on cars or at yard
Iron manhole and catch basin castings, per hundred weight	1.33 on cars
Catch basin traps, each . .	1.70 on cars or at foundry

A number of sewers have been constructed as petitioned for in various sections of the city, or as considered necessary for the improvement of the drainage system, and portions of

the cost of construction assessed on the abutting estates under orders passed by the board of aldermen.

Short lines of storm drains and overflows from congested sewers have been constructed during the year in the most needed districts.

The "separate system" sewers (those built for house drainage only) have been extended in a number of streets in the older districts, and this system should be extended yearly until all the flooded districts in the city have two complete systems of drainage, the old sewer to be used for storm and surface water. The city pays the entire cost of these new sewer extensions for house drainage, and wherever constructed the house plumbing should be changed where necessary; and the house drains and conductor, or surface water drains, re-connected with both systems as soon as possible.

New sewers and drains were constructed during the year varying in size from six-inch pipe to twelve-inch pipe in the following localities:—

"Separate system" sewers in:—

College Hill road,—Conwell avenue to North street.

Glen street,—end of sewer built in 1913 to Broadway.

New Hampshire avenue,—Mystic avenue to near Pennsylvania avenue.

North street,—end of sewer built in 1911 to Osgood street, Medford.

Power House Boulevard,—angle manhole in sewer built in 1908 to near Leonard street.

Powder House Boulevard,—Metropolitan connection opposite Somerville field to near North street.

Weston avenue,—Broadway to angle.

"Combined system" sewers in:—

Boston avenue,—end of sewer built in 1904 to Frederick avenue.

Storm drains in:—

Frederick avenue,—Boston avenue to Prichard avenue.

College Hill road,—Conwell avenue to North street.

New Hampshire avenue,—Mystic avenue to near Pennsylvania avenue.

North street,—end of sewer built in 1911 to Osgood street, Medford.

Weston avenue,—Broadway to angle.

SUMMARY OF WORK.

Summary of Work. Thirteen new sewers and drains have been constructed during the year, a total length of 4,407

linear feet (0.835 mile) at a cost of \$5,707.38; plans have been made showing these sewers in detail, and assessments levied on a portion of them, amounting to \$2,779.03. (See tabular statement of sewers and drains for 1914, showing itemized statement of work and cost.)

The total length of the city's drainage system is 108,708 miles; 30,597 miles being on the "separate system" and 9,017 miles of storm drains, and the entire cost of construction has amounted to about \$1,312,608.38 exclusive of the amount paid to the state for assessments for the construction of the North Metropolitan sewerage system.

Thirty-one new catch-basins have been constructed in the highways during the year, making a total of 1,735 basins in the city for street drainage purposes, constructed and maintained as follows:—

By the city (sewer division):—

Located in streets and subways	1,680 basins
Located in city boulevard	30 "
Located in parks (13) and other city lots (12)	25 "

Total catch basins constructed and maintained by city	1,735
By Boston & Maine Railroad Company on railroad locations	33 basins
By state, located in boulevards	52 "
	<hr/> 85
Total catch basins in the city for storm drainage purposes	1,820

Metropolitan Sewer Connections. All of the city's connections with the North Metropolitan state sewerage system are in good condition. One new main connection has been made at Powder House boulevard, opposite City Field.

Wherever the city's "combined system" sewers are connected with the Metropolitan sewer, the flow is automatically regulated so that in times of storms the connection closes and the discharge continues through the old channels to the rivers; the "separate system" connections are always in operation under all conditions. The locations of the connections of the city's mains with the state sewer are shown in the 1912 report.

The city's assessment for the Metropolitan sewer system for the past year was \$41,489.52 on construction account and \$30,948.03 for maintenance, and the total amount paid the Commonwealth of Massachusetts for this state sewer has been \$1,029,583.79 (1892-1914, both years inclusive). The total length of the Metropolitan sewerage system mains running through the city amounts to 3.475 miles.

New Work. The separate system sewers should be extended in the old sections of the city each year, as the appro-

TABULAR STATEMENT OF SEWERS AND STORM DRAINS BUILT IN 1914.

LOCATION.				ITEMS OF CONSTRUCTION AND COST.																						
NAME OF STREET.	FROM	TO	CONTRACTOR.	MATERIAL EXCAVATED.	Average Cut.	SEWER.		SUB-DRAIN.		Cubic yards Rock Excavation.	Price per cubic yard, Rock.	Manholes.	Average cost, Manholes.	Inlets.	PIPE SEWER, COST PER LINEAL FOOT.									Total Cost.	Assessment.	Cost to City.
						Size in inches.	Length in feet.	Size in inches.	Length in feet.						Excavating, Re filling, and Pipe Laying.	Price, including Sub-drain where laid.	Engineering and Inspection.	Miscellaneous.	Lumber.	Repairing Side-walks, Resurfacing Streets, etc.	Average Cost per lineal foot.					
																						Main Sewer.	Sub-drain.			
Boston avenue sewer and Frederick avenue, (storm-drain)	End sewer 1904 . .	Frederick avenue . .	Charles A. Kelley .	Filling and clay . .	9.5	12	328.5	.....	.....	.....	.....	1	\$36.10	26	\$0.90	.....	\$0.42	\$0.15	.....	\$0.04	.....	\$1.55	\$509.09	\$491.30	\$ 17.79
*College Hill road, sewer	Boston avenue . .	Prichard avenue . .	Charles A. Kelley .	Filling and clay . .	6.6	10	170	.....	.....	.....	.....	1	36.10	4	0 55	.....	0.33	0.16	\$0.01	.....	.....	1.27	215.58	.....	215.58
College Hill road, (storm-drain)	Conwell avenue . .	North street . .	Denis I. Crimmings .	Hardpan and rock . .	6.6	8	496.5	.....	.....	77	\$3.00	2	35.95	32	0.55	.....	0.27	0.05	.....	.....	.....	1.47	731.19	460.55	270.64
*Glen street exteu. sew. 1913 .	Conwell avenue . .	North street . .	Denis I. Crimmings .	Hardpan and rock . .	7.6	6	496.5	.....	.....	25	3.00	.....	.....	32	0.20	.....	0.20	0.05	.....	.....	.....	0.60	298.60	.....	298.60
*New Hampshire avenue, sew.	End sewer 1913 . .	Broadway . .	John D. Collins . .	Sand	7.1	10	211.9	6	403	.....	.....	.....	.....	13	0.90	\$0.20	0.36	0.22	1.60	11.36	\$0.52	4.70	995.43	.....	995.43
New Hampshire ave., (storm-drain)	Mystic avenue . .	Near Pennsylvania ave.	Day labor . .	Filling and hardpan .	6.7	8	307.3	.....	.....	.....	.....	2	.....	17	.....	.....	.....	0.07	.....	.....	.....	1.14	351.85	351.85	.....
*North street, sew.	Mystic avenue . .	Near Pennsylvania ave.	Day labor . .	Filling and hardpan .	7.7	8	307.3	.....	.....	.....	.....	2	.....	17	.....	.....	.....	0.09	.....	0.07	.....	0.78	239.59	.....	239.59
North street, (storm-drain) . .	End sewer 1911 . .	Osgood street, Medford	Denis I. Crimmings .	Hardpan	8.1	8	212.6	.....	.....	3.3	4.00	1	35.80	15	0.64	.....	0.26	0.10	0.01	.....	.....	1.24	263.80	210.64	53.16
*Powder House boulevard . .	End sewer 1911 . .	Osgood street, Medford	Denis I. Crimmings .	Hardpan	9.1	6	212.1	.....	.....	.....	.....	.....	.....	15	0.20	.....	0.16	0.06	.....	.....	.....	0.42	89.09	.....	89.09
*Powder House boulevard . .	Angle manhole, 1908 near Leonard street . .		Bartholomew Burke .	Sand	4.3	8	327.5	.....	.....	6	3.00	2	39.25	11	0.30	.....	0.23	0.13	.....	.....	.....	0.96	314.09	300.14	13.95
*Powder House boulevard . .	Metropolitan connection near North street . .		Charles A. Kelley .	Sand and clay . . .	13.5 6.5	8	776.8	.....	.....	4.3	4.00	4	42.00	29	1.40 .70	.....	0.26	0.12	.....	0.05	0.02	1.42	1,100.22	709.75	390.47
*Weston avenue, sewer . . .	Broadway	Angle	Denis I. Crimmings .	Hardpan and rock . .	6.7	8	280	.....	.....	32	3.00	1	35.80	19	0.55	.....	0.24	0.07	.....	.....	.....	1.34	373.96	254.80	119.16
Weston avenue, (storm-drain)	Broadway	Angle	Denis I. Crimmings .	Hardpan and rock . .	7.7	6	280	.....	.....	33	3.00	... .	.....	19	0.20	.....	0.18	0.07	.....	.....	.....	0.80	224.89	.....	224 89
4,407 (.835 miles.)																							\$5,707.38	\$2,779.03	\$2,92.35	

*Separate system sewer.
†Includes cost of reconstructing old sewer and portion cost previous year's work.

Total length of public sewers in the city, January 1, 1915 491,618.0 feet.
 Total length of private sewers in the city, January 1, 1915 34,748.0 feet.
 Total length of sewers in the city, January 1, 1915 526,366.0 feet, = 99.671 miles. (30.597 miles separate system sewer.)
 Total length of storm drains in the city, January 1, 1915 47,610.9 feet, = 9.017 miles.
 Total length of the city drainage system, January 1, 1915 108.708 miles.
 Total length of Met. sewerage system mains running through the city 3.475 miles.

priations will allow. The construction of the storm drainage system commenced in the vicinity of North Somerville, where buildings and new streets are being rapidly constructed, should continue, the outlet for this district being through the city of Medford into the Mystic river; and in connection therewith, the boundary line between Somerville and Medford should be changed in the vicinity of Pearson road and Boston avenue, so that this outlet, Two Penny Brook, can be improved by Somerville, and the covered channel extended to the Boston & Maine railroad, to conform with the work already done within the present city limits.

A large storm overflow drain has been contemplated for some time at the East Cambridge line, across private lands from Somerville avenue, discharging into the head of Miller's river; and this matter of improving the city's drainage system should be carried out without further delay.

Some agreement should be made whereby a storm drain and sewers may be constructed in the valley along the location of the Southern division of the Boston & Maine railroad, between Gilman square and Cedar street, this being the natural outlet for a number of the city's streets and house lots, which at the present time have either very poor or no means of drainage, and would abolish two syphons under the railroad tracks.

This work, if completed, would be of great benefit to the railroad company, and give relief to sections of the city's overcharged drainage system during heavy storms by diverting through this proposed conduit the proper drainage area which is now flowing in other directions.

MAINTENANCE ACCOUNT.

Statement of Expenses, 1914.

Maintenance of sewers, including cleaning and flushing (108.7 miles)	\$3,135 55
Maintenance of catch basins, cleaning and flushing (1,735)	9,057 08
Changing line and grade and repairing catch basins	77 59
Changing line and grade and repairing manholes	71 38
Repairing old sewers	504 95
Inspection and location of house drains	245 15
New tools and supplies	311 63
Repairs of tools and property	290 81
Maintenance of sewer division yards and buildings	551 08
Sundry expenses, car fares, telephone, expressing, etc.	79 17
Settlement of claims	140 00
Total debit	\$14,464 39

CREDIT.

Appropriation	\$14,000 00
Amounts received from other departments and accounts,—work and materials furnished	464 39
Total credit	\$14,464 39
Value of tools and property on hand used in maintenance of sewers	\$1,500 00

A permanent force of men and teams are kept continually at work flushing, cleaning, and repairing the city's drainage system, catch basins, etc., the expense necessarily increasing yearly as lengths of sewers, drains, and catch basins are added to the system, and the distance increased to the dumps.

About 6,000 cubic yards have been removed from the catch basins and sewers during the year, at an average cost of \$1.51 per cubic yard, and the average cost per mile for cleaning and flushing the drainage system, including catch basins, has amounted to \$112.18.

Many catch basins and manholes have been repaired and grade or line changed.

A number of repairs have been made on some of the old sewers, alterations made in the outlets and over-flows, and extra manholes built for the purpose of improving the system.

Three hundred and eighty-three permits have been issued to licensed drain layers for connecting buildings with the main sewers, fifty-five being for repairs or alterations; all of the work being done under the supervision of the city's inspector.

At the present time there are eight persons licensed as drain layers by the city, and under bonds, for the purpose of laying these private drains.

There are to date about 15,677 drain connections with the city's drainage system.

During the year the sewer department has done considerable miscellaneous work for other city departments and outside companies, where alterations and new construction work have been required, furnishing materials and labor, and being reimbursed for the same.

PARKS AND PLAYGROUNDS DIVISION.

At the present time there are twenty separate parcels of land located in all parts of Somerville, used for parks and playgrounds, amounting to 75.0 acres, and also a boulevard about one and one-third miles in length, maintained by the city. Included in this total area are playgrounds where the land is owned by private parties, and leased to the city for

use in the following localities; on Fellsway, east, 2.5 acres; Knowlton street, 1.5 acres; Tufts College land, 4.6 acres; and the city also maintains the cemetery on Somerville avenue, containing 0.7 acre. Satisfactory arrangements have been made during the past year whereby the city has the use of Tufts College playfield during the summer vacation months, and the artificial during the skating season.

Four of these larger pleasure parks are famous historically.

There are eight baseball "diamonds" and three football fields in use and under the city's supervision, as well as numerous smaller playgrounds, on which are located an outdoor gymnasium, running track, tennis courts, and various kinds of athletic apparatus for recreation and rest, where children can play and enjoy themselves and are safe from the dangers of a thickly settled city.

These areas are constantly in use by the many athletic teams, the games being arranged for and regularly scheduled on the various grounds throughout the season, about three hundred ball games being provided for by schedule the past year.

The larger areas have been policed by regular officers from the police department, when required, the expense being paid from the police appropriations; trees and shrubs added to the various grounds, and bulbs, plants, and flowers furnished in their seasons, and during the winter time ponds flooded for skating when the weather was favorable.

This area of parks and playgrounds compares favorably with other cities, Somerville being very small in area and the most densely populated city in the state, averaging about 20,000 in population to a square mile.

At Lincoln Park drinking fountains and additional shower-bath apparatus has been installed, at Mason street playground and Somerville field tennis courts are maintained. Granolithic sidewalks should be constructed in sections of Powder House boulevard.

The grounds surrounding the new public library have been regraded and walks and drives constructed, and trees and shrubs are to be planted in the future.

On several of the playfields concrete buildings should be constructed in place of some of the old wooden structures, additional apparatus provided on some of the principal parks and playgrounds for the smaller children's pleasure, where a regular park employee can have the care of the same, and some of the smaller playground areas should be enclosed by wire fencing for the protection of children.

At the westerly end of Lincoln Park a wading pool having an area of not over 3,000 square feet could be constructed with a concrete bottom and side walls, at a small cost. This

would be a source of much enjoyment to a very large number of children in the immediate vicinity, and be maintained exclusively for their use.

In certain localities of the city well-lighted playgrounds, during the summer evenings, should be maintained for the young men and women working in the factories daily.

The city has become so densely populated that portions of some of the larger park areas should be utilized for public recreation and physical training purposes; Broadway park (northerly end), ball field and children's playground; Central Hill park, tennis courts and children's playground; Tufts park, children's playground, gymnastic apparatus, etc.

The Playgrounds Association has continued its good work in the city, and funds contributed by citizens and a sum appropriated by the city for the special equipment of grounds and supervision of playfields during the summer months have been expanded under the direction of the school committee.

Certain areas were used in the city's parks, playgrounds, and school yards, which had been equipped with swings, sand boxes, and various kinds of gymnastic apparatus, and instructors were employed during the months of July and August. Many children enjoyed themselves at these outdoor kindergarten schools, while the larger boys were instructed in baseball, basketball and other games, and in the use of gymnastic apparatus, teams being formed and athletic competitions held between the various teams, and at the end of the summer season an athletic meet was held on Tufts Oval and a festival on Central Hill.

Probably still better results in this city could be obtained by establishing a system with a permanent director of athletics and gymnastics, who would have charge and instruct in every form of athletics and recreation; including all sports and games for the high schools, grammar schools, and all others using the city's playfields and buildings.

Somerville field located in the northwesterly part of the city, bordered by Powder House boulevard and Alewife brook, has proven to be very popular with the various clubs and athletic teams in our city, and a number of outside school teams and associations have had the use of this field, and the city has received an income each year for the same.

The present temporary dressing rooms have been doubled in capacity, and some small improvements have been made during the year, but a permanent concrete building with all modern improvements should be immediately constructed.

Some progress has been made in the development of the large ungraded portion of the field, and an appropriation should be made annually for this purpose.

If this area is laid out and completed as originally designed, Somerville will have one of the finest recreation fields owned by any city, and would include areas for baseball, football, basketball, tennis, cricket, croquet, playfield for children, outdoor gymnasium, running track, swimming pool, and boating and skating on the brook, a concrete grandstand and field houses, equipped with shower baths, lavatories, dressing rooms, lockers, etc. In the 1910 report a plan was published showing the proposed laying out.

An area owned by the city, and known as the Collins and Ham ledge property, located on Clarendon Hill, near the Cambridge boundary line, might be developed in the future into a pretty pleasure park, similar in nature to the Powder House park; also the Holland street ledge property, owned by the city and situated in West Somerville, could be developed in the future by laying out a portion of the area for streets and house lots, and the remainder for a children's playground.

There are a number of vacant lots in the city owned by private parties, large enough for the purpose of establishing recreation grounds and breathing spaces, which undoubtedly could be obtained for short-term leases by payment of the taxes to the owner of the property, and be of great benefit to a large number in the congested parts of the city.

With all these various parcels of land referred to properly developed in the future as parks, playgrounds, and resting places, the city will be amply provided for in this line, and second to none in the state.

The city's assessment for Metropolitan parks and boulevards for the year 1914 amounted to \$16,704.79 on construction account, \$20,537.40 being the proportional cost for maintaining the same; in addition to this the city's special assessment for the Charles River Basin construction and maintenance amounted to \$6,638.16; for the improvement of Alewife brook and maintenance of same, \$1,323.29; and for the maintenance of Wellington bridge across Mystic river, \$648.06.

The total of the above assessments amounts to \$45,851.70 being Somerville's proportional payment to the state on account of the Metropolitan park system for the year 1914.

The total assessment paid to the state for parks and boulevards amounts to \$493,683.61, January 1, 1915, and the only length of state boulevard at present constructed in this city consists of seven-tenths of a mile of double roadway, located in the easterly part of the city, and extending between Broadway and Mystic river, and four-tenths of a mile bordering Mystic river at the West Medford line.

In the 1910 report a table was published showing the area, year acquired, cost of land, cost of construction, present valuation, etc., of all city parks and playgrounds.

PARKS AND PLAYGROUNDS

Maintenance Account.

Statement of Expenses, 1914.

(Playgrounds)		(Parks)
	Broadway Park (15.9 acres):—	
\$229 12	Maintenance of grounds, pond and general care of property, labor and teams . . .	\$879 42
	Trimming and spraying trees	26 00
	Supplies and repairs of tools, etc.	93 86
	Plants, flowers, bulbs, etc.	187 40
		<hr/>
\$229 12		\$1,186 68
	Broadway Parkway (2.0 acres):—	
	Maintenance of grounds, labor and teams	\$103 10
	Trees, plants, flowers, etc.	110 50
		<hr/>
		\$213 60
	Central Hill Park (13.1 acres):—	
\$54 82	Maintenance of grounds and general care of property, labor and teams	\$1,261 92
	Trimming and spraying trees	28 20
	Supplies and repairs of tools, etc.	69 78
	Plants, flowers, bulbs, shrubs, etc.	251 05
	Repaving drive and walks	103 90
	Regrading park and construction drive and walks at new library building	1,425 19
		<hr/>
\$54 82		\$3,140 04
	Lincoln Park (8.3 acres):—	
\$651 37	Maintenance of grounds and general care of property, labor and teams	\$789 33
49 49	Supplies and repairs of tools, etc.	104 08
	New walks and steps	116 59
		<hr/>
\$700 86		\$1,010 00
	Prospect Hill Park (2.6 acres):—	
\$53 60	Maintenance of grounds and observation tower, labor and teams	\$821 65
	Trimming and spraying trees	16 45
	Supplies and repairs tools, etc.	65 57
	Rebuilding fences	166 40
	New tool-house	35 00
		<hr/>
\$53 60		\$1,105 07
	Tufts Park (4.5 acres):—	
	Maintenance of grounds and Old Powder House, labor and teams	\$586 22
	Trimming and spraying trees	27 00
	Supplies and repair tools, etc.	65 55
	Plants, flowers, bulbs, etc.	141 00
		<hr/>
		\$819 77

(Playgrounds)

(Parks)

Paul Revere Park (.02 acre):—

Maintenance of grounds, labor \$40 79

Trees, plants, shrubs, etc. 43.79

\$84 58

Belmont Street Park (0.4 acre):—

Maintenance of grounds, labor and teams . \$239 19

Plants, flowers, bulbs, etc 124 90

\$364 09

Powder House Square Parkway (0.2 acre):—

Maintenance of area between streets, labor \$52 00

Plants, shrubs, etc. 28 65

\$80 65

Powder House Boulevard (1 1-3 miles long):—

Maintenance of roadway, walks and grass plots, labor and teams \$486 79

Resurfacing and repairing roadway . . . 320 88

Curbing at new street entrances . . . 107 42

\$915 09

Cemetery, Somerville Avenue (0.7 acre):—

Maintenance of grounds, labor and teams \$74 07

"Somerville Field" at Alewife Brook (11.5 acres):—

Maintenance of field and care of property, labor and teams \$224 66

Supplies and repairs of tools, etc. 74 27

Improvement of field and dressing room . 169 67

\$525 01
47 63

\$488 60

\$572 64

Playground, Cedar Street and Broadway (4.3 acres):—

Maintenance of grounds, labor and teams \$251 41

Supplies and repairs tools, etc. 8 94

Shrubs 32 74

\$454 48

\$293 09

Playgrounds, Glen Street and Oliver Street. (0.9 acre + 1.5 acres leased):—

Maintenance of grounds, labor and teams \$13 39

Supplies and repairs of tools, etc.

\$239 28
18 35

\$13 39

\$257 63

Playground, Kent Street and Somerville Avenue (0.8 acre):—

Maintenance of grounds, labor and teams \$29 42

Supplies and repairs tools, etc. 6 64

\$196 81

\$36 06

Playground, Poplar Street and Joy Street (0.5 acre):—

Maintenance of grounds, labor and teams \$4 30

Supplies and repairs tools, etc.

Building new fence.

\$17 89
14 99
91 89

\$4 30

\$124 77

(Playgrounds)		(Parks)
	Playground, Beacon Street, near Washington Street (0.2 acre):—	
\$10 72	Maintenance of grounds, labor and teams	
98 79	Building new fence	
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\$109 51		
	Playground, Webster Avenue, near Cambridge line (0.2 acre):—	
	Maintenance of grounds, labor and teams	\$9 55
	Playground, Mason Street and Broadway (0.3 acre):—	
\$106 34	Maintenance of grounds, labor and supplies	
	Playground, Fellsway East (2.5 acres leased):—	
\$92 07	Maintenance of grounds, labor	\$9 00
	Tufts Oval:—	
\$265 36	Maintenance of grounds, labor, teams and supplies	\$10 94
	Artificial (Skating area) Tufts College:—	
\$26 50	Maintenance of grounds, labor	
	Incidentals:—	
\$55 45	Supplies, maintenance of automobile, etc.	\$116 43
	Total expenditure, maintenance (75 acres) 65.7 acres city property + 9.3 acres leased land,, 0.7 acre cemetery and 1.36 miles boulevard, and 0.54 mile parkway, roads.	
<hr/>		<hr/>
\$3,299 96		\$9,975 00
CREDIT.		
Playgrounds and Recreation		Parks
	Appropriation for parks	\$9,975 00
\$3,300 00	Appropriation for playgrounds	
<hr/>		<hr/>
\$ 0.04	Balance unexpended	\$ 0 00

APPENDED TABLE.

Annexed to this report is a table giving names of all streets in the city, public and private, lengths, widths, and the total mileage; in the 1910 report tables were published showing old names of certain streets as formerly known, and names of public squares in the city.

Respectfully submitted,
Ernest W. Bailey,
City Engineer.

**TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.**

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Abdell	Somerville ave. .	Southwesterly . .	Private.	25	....	203
Aberdeen road .	Cedar st. . . .	Highland ave. . .	Public.	49	449	....
Aberdeen road ext.	Angle	Westerly	Private.	30	....	67
Acadia pk. . . .	Somerville ave. .	Northeasterly . .	Public.	40	256	....
Adams	Broadway	Medford st. . . .	Public.	40	907	....
Addison pl. . .	Somerville ave. .	Southwesterly . .	Private.	20	....	150
Adelaide rd. . .	Somerville ave. .	Northeasterly . .	Private.	20	....	138
Adrian	Marion st. . . .	Joseph st.	Public.	40	579	....
Albion pl. . . .	Albion st.	Northeasterly . .	Private.	10	....	106
Albion ct. . . .	Albion st.	Southwesterly . .	Private.	16	....	116
Albion	Central st. . . .	Cedar st.	Public.	40	2,742	....
Albion	Broadway	Medford line . . .	Private.	50	....	100
Albion ter. . . .	Albion st.	Southwesterly . .	Private.	25	....	100
Aldersey	Walnut st. . . .	Vinal ave.	Public.	40	508	....
Aldrich	Pearl st.	B. & L. R. R. . .	Public.	40	611	....
Alfred	Broadway	Medford line . . .	Private.	50	....	50
Allen	Somerville ave. .	Charlestown st. .	Private.	25	....	680
Allen ct.	Park st.	Northwesterly . .	Private.	20	....	150
Alpine	Cedar st.	Southeasterly . .	Public.	30	667	....
Alpine	Alpine st.	Lowell st.	Public.	40	688	....
Alston	Cross st.	Shawmut st. . . .	Public.	40-30	757	....
Ames	Bartlett st. . . .	Robinson st. . . .	Public.	40	580	....
Appleton	Willow ave. . . .	Clifton st.	Public.	40	548	....
Appleton	Clifton st.	Liberty ave. . . .	Public.	40	120	....
Arlington	Franklin st. . . .	Lincoln st.	Public.	40	452	....
Arnold ave. . . .	Porter st.	Southeasterly . .	Private.	15	....	127
Arnold ct. . . .	Beacon st.	Northeasterly . .	Private.	10	....	115
Arthur ct. . . .	Linden st.	Easterly	Private.	about 10	....	100
Arthur	Broadway	Bonair st.	Public.	40	488	....
Ash ave.	Meacham st. . . .	East Albion st. . .	Public.	40	554	....
Ash ave.	East Albion st. .	Northeasterly . .	Private.	40	....	151
Ashland	Summer st. . . .	Sartwell ave. . . .	Public.	30	478	....
Atherton	Central st.	Spring st.	Public.	40	741	....
Auburn ave. . . .	Cross st.	B. & L. R. R. . .	Private.	30	....	600
Austin	Broadway	Mystic ave.	Public.	40	716	....
Autumn	Broadway	Bonair st.	Public.	20	408	....
Avon	School st.	Central st.	Public.	40	1,360	....
Avon pl.	Cross st.	B. & L. R. R. . .	Private.	25	....	150
Bailey	North st.	West Adams st. . .	Private.	40	....	420
Banks	Elm st.	Summer st.	Public.	40	639	....
Bartlett	Vernon st.	Broadway	Public.	40	1,550	....
Barton	Broadway	Hamilton road. . .	Private.	40	....	582
Bay State ave. .	Broadway	Fosket st.	Public.	40	1,237	....
Beach ave. . . .	Webster ave. . . .	Columbia st. . . .	Private.	about 20	....	200
Beacon pl. . . .	Beacon st.	Northeasterly . .	Private.	15	....	200
Beacon	Cambridge line . .	Somerville ave. . .	Public.	66	6,007	....
Beacon ter. . . .	Somerville ave. .	Northeasterly . .	Private.	24	....	110
Bean's ct.	Cutter st.	Southeasterly . .	Private.	16	....	100
Beckwith circle .	Beacon st.	Southwesterly . .	Private.	28.5	....	112
Bedford	South st.	Cambridge line . .	Public.	30	165	....
Beech	Somerville ave. .	Atherton st. . . .	Public.	40	323	....
Belknap	Broadway	Hamilton road. . .	Public.	40	449	....
Bellevue ter. . .	Albion st.	Northeasterly . .	Private.	20	....	90
Belmont	Somerville ave. .	Highland ave. . .	Public.	40	2,192	....
Belmont pl. . . .	Belmont st. . . .	Southeasterly . .	Public.	25	177	....
Belmont sq. . . .	Belmont st. . . .	Southeasterly . .	Private.	30	....	75
Belmont sq. . . .	Belmont ter. . . .	No'es'ly & so'ws'ly	Private.	20	....	145
Belmont ter. . . .	Belmont st. . . .	Easterly	Private.	15	....	137
Benedict ave. . .	Broadway	Benedict st. . . .	Private.	20	....	200
Benedict	Union st.	Austin st.	Public.	40	555	....
Bennett ct. . . .	Bennett st.	Prospect st. . . .	Private.	10	....	100
Bennett	Prospect st. . . .	Bennett cr.	Private.	40 to 25	....	400
Benton road . . .	Summer st. . . .	Hudson st.	Public.	40	1,208	....
Berkeley	School st.	Central st.	Public.	40	1,360	....
Berwick	Hinckley st. . . .	Northwesterly . .	Private.	20	....	170
Bigelow	Boston st.	Munroe st.	Public.	50	208	....
Billingham	Broadway	William st.	Public.	40	563	....
Bishop's pl. . . .	Glen st.	Easterly	Private.	10	....	75

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Blakeley ave. . . .	Fellsway east . .	Cross st.	Private.	40	....	630
Bleachery ct. . . .	Somerville ave. . .	Fitchburg R. R. . .	Private.	30	....	450
Bolton	Oak st.	Houghton st. . . .	Public.	40	476	....
Bonair	Cross st.	Walnut st.	Public.	40	1,535	....
Bond	Broadway	Jaques st.	Public.	40	655	....
Bonner ave.	Washington st. . .	Columbus ave. . . .	Public.	40	376	....
Boston ave.	Medford line . . .	Mystic river	Public.	60	915	....
Boston ave.	Broadway	Medford line	Public.	50	80	....
Boston ave.	Broadway	Highland road . . .	Public.	65	287	....
Boston ave.	Highland road . . .	Prichard ave. . . .	Public.	50	509	....
Boston ave.	Prichard ave. . . .	Easterly to angle in st	Private.	50	....	146
Boston ave.	Angle inst. south'ly	Frederick ave. . . .	Private.	40	....	376
Boston ave.	Frederick Ave. . . .	Morrison ave. . . .	Public.	40	649	....
Boston	Washington st. . .	Prospect Hill ave. .	Public.	45	640	....
Boston	Prospect Hill av. .	Walnut st.	Public.	40	1,242	....
Bow	Union sq.	Wesley sq.	Public.	60	658	....
Bow	Wesley sq.	Somerville ave. . . .	Public.	50	570	....
Bowdoin	Washington st. . .	Lincoln park	Public.	40	341	....
Bowers ave.	Cottage ave. . . .	Elm st	Private.	24	....	288
Bow St. pl.	Bow st.	Northwesterly . . .	Private.	40	....	300
Bradford ave. . . .	School st.	Southeasterly	Private.	40	....	150
Bradley	Pearl st.	Walter st.	Public.	40	762	....
Brastow ave.	Lowell st.	Porter st.	Public.	40	686	....
Bristol road	Broadway	Medford line	Public.	40	146	....
Broadway	Charlestown line .	Cross st.	Public.	100	2,590	....
Broadway	Cross st.	Marshall st.	Public.	100 to 200	2,060	....
Broadway	Marshall st. . . .	Main st.	Public.	100	1,570	....
Broadway	Main st.	Top of hill	Public.	100 to 90	1,030	....
Broadway	Top of hill	Albion st.	Public.	90	2,540	....
Broadway	Albion st.	Willow ave.	Public.	90 to 70	1,030	....
Broadway	Willow ave.	Paulina st.	Public.	70	3,250	....
Broadway	Paulina st.	Arlington line	Public.	65-60-65	3,220	....
Broadway pl.	Broadway	Southwesterly . . .	Private.	22	....	250
Bromfield road . . .	Warner st.	Dearborn road . . .	Public.	40	1,262	....
Brook	Glen st.	Cross st.	Public.	40	504	....
Browning road	Sycamore st.	Central st.	Public.	40	679	....
Buckingham	Beacon st.	Dimick st.	Public.	40	292	....
Buena Vista rd. . . .	Holland st.	Southwesterly . . .	Private.	35	....	276
Burnham	Broadway	Powder House Blvd.	Private.	40	....	537
Burnside ave.	Elm st.	Summer st.	Public.	40	720	....
Cady av.	Simpson ave.	Northwesterly . . .	Private.	40	....	194
Caldwell ave.	Washington st. . .	Southerly	Private.	20	....	210
Calvin	Beacon st.	Dimick st.	Public.	40	263	....
Calvin	Dimick st.	Washington st. . . .	Public.	30	392	....
Cambria	Central st.	Benton road	Public.	40	488	....
Cameron ave.	Holland st.	Cambridge line . . .	Public.	60	1,065	....
Campbell pk.	Meacham rd.	Kingston st.	Public.	40	399	....
Campbell Pk. pl. . .	Kingston st.	Arlington Br. R. R.	Private.	20	....	84
Carlton	Somerville ave. . .	Lake st.	Public.	40	300	....
Carver	Porter st.	Northwesterly . . .	Private.	40	....	156
Cedar ave.	Cedar st.	Linden ave.	Private.	22	....	290
Cedar ct.	Cedar st.	Southeasterly	Private.	15+	....	70+
Cedar St. pl.	Murdock st.	Southwesterly . . .	Private.	20	....	378
Cedar St. pl.	Cedar n'r Elm st.	Southeasterly	Private.	12+	....	80+
Cedar	Elm st.	Broadway	Public.	40	4,137	....
Central road	Central st.	E'ly and N'ly. . . .	Private.	40	....	223
Central road	Central road	Sycamore st.	Private.	30-15	....	220
Central	Somerville ave. . .	Summer st.	Public.	33	1,043	....
Central	Summer st.	Medford st.	Public.	40	2,539	....
Central	Medford st.	Broadway	Public.	45	1,079	....
Centre	Albion st.	B. & L. R. R. . . .	Private.	35	....	200
Chandler	Park ave.	Broadway	Public.	40	1,232	....
Chapel	College ave.	Chandler st.	Public.	40	273	....
Chapel ct.	Sycamore st.	Northwesterly . . .	Private.	12	....	130
Charles	Washington st. . .	Southerly	Public.	30	166	....
Charlestown	Allen st.	Easterly	Private.	15	....	400
Charnwood road . . .	Willow ave.	Hancock st.	Public.	40	589	....
Chelsea	Mystic ave.	Melrose st.	Private.	50	....	1,390

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Cherry	Elm st. . . .	Highland ave. . .	Public.	45	1,450	....
Cherry.	Highland ave. .	Northeasterly . .	Private.	45	....	. 110
Chester	Elm st.	Cambridge line .	Public.	40	885	....
Chester ave. . .	Medford st. . .	Angle	Public.	about 22	220	....
Chester ave. . .	Angle	Cross st.	Public.	20	451	....
Chester pl. . . .	Chester st. . . .	Northwesterly . .	Private.	40	...	200
Chestnut	Poplar st. . . .	Southeasterly . .	Public.	40	537	....
Chetwynd road .	Curtis st. . . .	West Adams st. .	Private.	40	...	892
Church	Summer st. . . .	Lake st.	Public.	40	964	....
City road	Broadway	Cedar st.	Private.	45	....	980
Claremon	Holland st. . . .	Mead st.	Public.	40	560	....
Clarendon ave. .	Broadway	Cambridge line .	Public.	40	1,217	....
Clark	Newton st. . . .	Lincoln parkway .	Public.	35	552	....
Cleveland	Central st. . . .	Harvard st. . . .	Public.	40	459	....
Clifton	Appleton st. . . .	Morrison ave. . .	Public.	40	209	....
Clifton	Morrison ave. . .	Arlington Br. R.R.	Private.	40	...	220
Clyde	Cedar st.	Murdock st. . . .	Public.	30	664	....
College ave. . . .	Davis sq.	Medford line . . .	Public.	60	4,080	....
College Cir. . . .	College ave. . . .	und to College ave.	Private.	10 and 12	...	284
College Hill road.	Conwell ave. . . .	North st.	Private.	40	...	449
Columbia	Webster ave. . . .	Cambridge line .	Public.	40	816	....
Columbia ct. . . .	Columbia st. . . .	Webster ave. . . .	Private.	9	....	150
Columbus ave. . .	Washington st. . .	Walnut st.	Public.	40	1,425	....
Concord ave. . . .	Prospect st. . . .	Wyatt st.	Public.	40	1,483	....
Concord ave. . . .	Wyatt st.	Beacon st.	Public.	30	472	....
Congress pl. . . .	Linwood st. . . .	Somerville ave. . .	Public.	50	262	....
Conlon ct.	Columbia st. . . .	Easterly	Private.	20	...	200
Connecticut ave. .	Mystic ave. . . .	Pennsylvania ave.	Private.	40	...	487
Conwell ave. . . .	Curtis st.	North st.	Public.	40	1,346	....
Conwell	Highland ave. . .	Southwesterly . .	Public.	35	363	....
Cooney	Beacon st.	Line st.	Private.	30	...	220
Corinthian road .	Broadway	Cady ave.	Private.	40	...	640
Cottage ave. . . .	Russell st. . . .	Chester st.	Public.	40	550	....
Cottage circle . .	Cottage ave. . . .	Southwesterly . .	Private.	25	...	87
Cottage pl. . . .	Washington st. . .	Northwesterly . .	Private.	about 11	...	150
Craigie	Somerville ave. . .	Summer st.	Public.	50	1,280	....
Craigie ter. . . .	16 Craigie st. . .	Westerly	Private.	25	...	126
Crescent	Washington st. . .	Hadley	Private.	30	...	402
Crescent	Hadley st.	Pearl st.	Public.	30	174	....
Crocker	Highland ave. . .	Crown st.	Public.	40	528	....
Cross	Medford st. . . .	Broadway	Public.	45	2,680	....
Cross st. (East)	Broadway	Mystic ave.	Public.	40	1,100	....
Cross St. pl. . . .	Cross st.	Northwesterly . .	Private.	24	...	...
Crown	Porter st.	Lowell st.	Private.	30	...	...
Curtis ave.	Curtis st.	Hillsdale road . .	Private.	40	...	...
Curtis	Broadway	Medford line . . .	Public.	40	2,357	....
Cutler	Hinckley st. . . .	Northwesterly . .	Private.	20	...	...
Cutter ave.	Summer st.	Highland ave. . .	Public.	40	480	....
Cutter pk.	Cutter ave. . . .	Northwesterly . .	Private.	12	...	...
Cutter	Broadway	Webster st.	Public.	40	730	....
Cypress	Central st.	Beech st.	Public.	40	262	....
Dana	Bonair st.	Pearl st.	Public.	40	696	....
Dane	Somerville ave. . .	Washington st. . .	Public.	40	1,341	....
Dane ave.	Dane st.	Leland st.	Public.	30	569	....
Dante terrace . .	Craigie st.	Westerly	Private.	25	...	125
Dartmouth	Medford st. . . .	Broadway	Public.	40	1,465	....
Day	Elm st.	Cambridge line .	Public.	40	908	....
Dearborn road . .	Boston ave. . . .	College ave. . . .	Public.	50	469	....
Delaware	Aldrich st.	Pearl st.	Public.	40	451	....
Dell	Glen st.	Tufts st.	Public.	40	466	....
Derby	Temple st.	Wheatland st. . .	Public.	40	1,031	....
Dexter	Broadway	Medford line . . .	Private.	50	...	25
Dickinson	Springfield st. . .	Beacon st.	Public.	40	770	....
Dickson	Broadway	Fairmount ave. . .	Private.	40	...	271
Dimick	Concord ave. . . .	Calvin st.	Public.	40	957	....
Dix pl.	Linwood st. . . .	Southwesterly . .	Private.	10	...	100
Douglas ave. . . .	Edgar ave.	Southeasterly . .	Private.	30	...	162
Dover	Elm st.	Cambridge line .	Public.	40	975	....
Dow	PowderHouseBd. .	Ware st.	Private.	40	...	257
Downer pl.	Downer st.	B. & L. R. R. . .	Private.	20	...	125
Downer	Nashua st.	Southeasterly . .	Private.	20	...	120

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Dresden circle . . .	Cutter ave. . .	Westerly . . .	Private.	30	...	133
Durant st. . . .	Washington st. .	Southerly. . .	Private.	20	....	200
Durham	Beacon st. . .	Hanson st. . .	Public.	40	423	....
Dynamo	Willow ave. . .	Whipple st. . .	Private.	30	....	255
Earle	South st. . .	Fitchburg R. R. .	Private.	30	...	322
East Albion . . .	Mt. Vernon ave.	E. of Moreland st.	Private.	25	...	188
East Albion . . .	E. of Moreland st.	Medford line. . .	Private.	40	...	490
Eastman road. . .	Highland ave. .	Southwesterly . .	Public.	40	296	....
Edgar ave. . . .	Main st. . .	Meacham st. . .	Private.	50	....	800
Edgemere st. . .	Washington st. .	Southerly . . .	Private.	40	....	509
*Edgeworth . . .	Mystic ave. . .	Melrose st. . .	Private.	50	....	1,380
Edmonds	Broadway . . .	near Bonair st. .	Public.	40	376	....
Edmonton ave. .	Cross st. . .	Fellsway east . .	Private.	40	....	630
Electric ave. . .	Mason st. . .	Packard ave. . .	Private.	40	....	632
Electric ave. . .	Packard ave. . .	Curtis st. . .	Public.	40	681	....
Eliot	Vine st. . .	Park st. . .	Public.	40	291	....
Ellington road .	Highland ave. .	Northeasterly . .	Private.	35	....	120
Ellington road .	West st. . .	Northwesterly . .	Private.	30	....	405
Ellsworth . . .	Cross st. . .	Rush st. . .	Public.	40	230	....
Elm ct. . . .	Villa ave. . .	Northwesterly . .	Private.	18	....	70
Elm pl. . . .	Harvard st. . .	Westerly . . .	Private.	30	....	190
Elm	Somerville ave.	Cherry st. . .	Public.	63	1,672	....
Elm	Cherry st. . .	White st. . .	Public.	63 to 60	330	....
Elm	White st. . .	Banks st. . .	Public.	60	660	....
Elm	Banks st. . .	Beech st. . .	Public.	60 to 77.5	290	....
Elm	Beech st. . .	Tenney st. . .	Public.	77.5 to 60	570	....
Elm	Tenney st. . .	Davis sq. . .	Public.	60	1,429	....
Elmwood	Holland st. . .	Cambridge line .	Public.	40	1,057	....
Elmwood ter. . .	Elmwood st. . .	Easterly . . .	Private.	20	....	190
Elston	Elm st. . .	Summer st. . .	Public.	40	396	....
Emerson	Everett st. . .	Newton st. . .	Private.	30	....	170
Endicott ave. . .	Broadway . . .	Woodstock st.(Ext'n)	Private.	40	....	800
Essex	Medford st. . .	Richdale ave. . .	Public.	40	232	....
Eustis	Beacon st. . .	Cambridge line .	Private.	30	....	150
Everett ave. . .	Cross st. . .	Dana st. . .	Public.	40	845	....
Everett	Webster ave. . .	Newton st. . .	Private.	30	....	350
Evergreen ave. .	Marshall st. . .	Sycamore st. . .	Public.	40	1,320	....
Evergreen sq. . .	Porter st. . .	Southeasterly . .	Private.	8	...	200
Exchange pl. . .	Washington st. .	Southerly . . .	Private.	4.5	....	70
*Fairfax st. . .	North st. . .	Powder House Blvd	Private.	40	....	915
Fairlee	Cherry st. . .	Northwesterly . .	Public.	30	144	....
Fairmount ave. .	Curtis st. . .	Northwesterly . .	Public.	40	679	....
Fairview ter. . .	Sycamore st. . .	Southwesterly . .	Private.	15	....	173
Farragut ave. . .	Broadway . . .	Woodstock st.(Ext'n)	Public.	40	905	....
†Fellsway . . .	Mystic ave. . .	Mystic river . .	Public.	70 to 130	2,500	....
†Fellsway east .	(Winthrop ave.)	Broadway . . .	Public.	50	1,222	....
†Fellsway west .	(Chauncey ave.)	Broadway . . .	Public.	50	1,324	....
Fenwick	Broadway . . .	Jagues st. . .	Public.	40	601	....
Fisk ave. . . .	Hinckley st. . .	Lowell st. . .	Public.	20	484	....
Fitchburg ct. . .	Fitchburg st. . .	Southeasterly . .	Private.	10	....	225
Fitchburg	Linwood st. . .	B. & L. R. R. . .	Private.	40	....	400
Flint ave. . . .	Flint st. . .	Northerly . . .	Public.	40	202	....
Flint	Franklin st. . .	Aldrich st. . .	Public.	40	1,790	....
Florence	Washington st. .	Perkins st. . .	Public.	40	1,304	....
Florence ter. . .	Jagues st. . .	Southwesterly . .	Private.	20	....	90
Forest	Beacon st. . .	Cambridge line .	Public.	40	117	....
Forster	Sycamore st. . .	Central st. . .	Private.	30	....	430
Fosket	Willow ave. . .	Liberty ave. . .	Public.	40	668	....
Fountain ave. . .	Cross st. . .	Glen st. . .	Public.	30	578	....
Francesca ave. .	College ave. . .	Liberty ave. . .	Public.	40	762	....
Francis	Porter st. . .	Conwell st. . .	Public.	30	180	....
Franklin ave. . .	Washington st. .	Franklin st. . .	Public.	20	575	....
Franklin pl. . .	Franklin st. . .	Southeasterly . .	Private.	15	....	100
Franklin	Broadway . . .	Washington st. .	Public.	40+	2,316	....
Frederick ave. .	Willow ave. . .	Boston ave. . .	Public.	40	1,175	....

* Proposed.

† Metropolitan Park Commission Boulevard.

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Fremont ave.	Bowdoin st.	Lincoln pk.	Public.	30	232	....
Fremont	Main st.	Near E. Albion st.	Public.	40	1,112	....
Fremont	Near E. Albion st.	Mystic ave.	Private.	40	....	335
Garden ct.	Somerville ave.	Fitchburg R. R.	Private.	25	....	370
Garfield ave.	Broadway	Blakeley ave.	Public.	40	447	....
Garfield ave.	Blakeley ave.	Middlesex ave.	Private.	40	....	983
Garrison ave.	Broadway	Land of City of Camb.	Public.	40	460	....
Garrison ave.	Land City of Camb.	Woodstock st.(Ext'n)	Private.	40	....	390
George	Broadway	Lincoln ave.	Public.	30	275	....
Gibbens	Central st.	Benton road, w'ly	Public.	40	665	....
Giles pk.	Walnut st.	Northwesterly	Public.	32.71.	167	....
Gill's ct.	Franklin st.	Westerly	Private.	10	....	100
Gilman	Cross st.	Walnut st.	Public.	40	1,430	....
Gilman ter.	Pearl st.	Northeasterly	Public.	40	360	....
Gilson ter.	Linden ave.	Northwesterly	Private.	20	....	124
Glen	Broadway	Tufts st.	Public.	40	2,373	....
Glendale ave.	Cameron ave.	Yorktown st.	Public.	40	410	....
Glenwood road	Vernon st.	Broadway	Public.	40	1,524	....
Glover circle	Meacham road	Southeasterly	Private.	20	....	110
*Gordon st.	North st.	Powder House Blvd	Private.	40	....	1,245
Gorham	Holland st.	Howard st.	Public.	40	763	....
Gould ave.	Porter st.	Southeasterly	Private.	16	....	156
Gove ct.	Cedar st.	Southeasterly	Private.	15	....	145
Grand View ave.	Walnut st.	Vinal ave.	Public.	40	542	....
Granite	Somerville ave.	Osgood st.	Public.	40	411	....
Grant	Broadway	Mystic ave.	Public.	40	1,405	....
Greene	Summer st.	Laurel st.	Public.	40	555	....
Greenville	Medford st.	Munroe st.	Public.	40	660	....
Greenville ter.	Greenville st.	Northerly	Private.	20	....	250
Greenwood ter.	Beacon st.	Northeasterly	Private.	25	....	163
Gritter way	College ave.	Pearson rd.	Private.	4	....	320
Grove	Elm st.	Morrison ave.	Public.	40	996	....
Hadley ct.	Franklin st.	Westerly	Private.	20	....	150
Hall ave.	College ave.	Liberty ave.	Public.	40	926	....
Hall	Cedar st.	Cherry st.	Public.	30	456	....
Hamlet	Highland ave.	Boston st.	Public.	30	616	....
Hamilton road	Russell road	North st.	Private.	40	....	635
Hammond	Dickinson st.	Concord ave.	Public.	40	267	....
Hancock	Elm st.	Highland ave.	Public.	40	1,349	....
Hancock	Highland ave.	Lexington ave.	Public.	50	376	....
Hanson ave.	Hanson st.	Easterly	Private.	30	....	252
Hanson	Washington st.	Skehan st.	Public.	30	469	....
Hanson	Skehan st.	Vine st.	Public.	35	347	....
Hardan road	Powder House Bd.	Ware st.	Private.	20 and 40	....	283
Harding	Ward st.	Northerly	Private.	30	....	70
Harding	Ward st.	Cambridge line	Public.	30	395	....
Harold	Dimick st.	Marion st.	Public.	40	316	....
Harrison	Ivaloo st.	Kent st.	Public.	40	644	....
Harrison	Elmwood st.	Southeasterly	Private.	40	....	210
Harvard pl.	Harvard st.	Westerly	Private.	35	....	200
Harvard	Summer st.	Beech st.	Public.	40	717	....
Hathorn	Broadway	Arlington st.	Public.	40	339	....
Hawkins	Somerville ave.	Washington st.	Public.	40	330	....
Hawthorne	Willow ave.	Cutter ave.	Public.	30	807	....
Hayden ter.	Linden ave.	Easterly	Private.	20	....	120
Heath	Temple st.	Bond st.	Public.	45	1,043	....
Heath	Bond st.	Mt. Vernon ave.	Private.	40	....	386
Heath	Mt. Vernon ave.	Moreland st.	Public.	40	364	....
Henderson	Richardson st.	B. & L. R. R.	Public.	20	569	....
Hennessy ct.	Medford st.	Fisk ave.	Private.	20	....	250
Henrietta ct.	Somerville ave.	Northerly	Private.	8 and 20.	....	161
Henry ave.	Highland ave.	Lexington ave.	Public.	40	290	....
Herbert	Chester st.	Day st.	Public.	40	337	....
Hersey	Berkeley st.	Oxford st.	Private.	40	....	230
Higgins ct.	Mt. Vernon st.	Westerly	Private.	16	....	149
*High	North st.	Powder House Bd.	Private.	40	....	470
Highland ave.	Medford st.	Davis sq.	Public.	60	9,135	....
Highland p'th, east	Morrison ave.	Arlington Br. R. R.	Private.	10	....	107
Highland p'th, west	Morrison ave.	Arlington Br. R. R.	Private.	10	....	108
†Highland road	Morrison ave.	Boston ave.	Public.	30(70wide)	1,499	....
Hill	Broadway	Fairmount ave.	Public.	40	284	....

*Proposed.

†Roadway (only) accepted 30 feet wide, full width of street 70 feet.

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Hillsdale rd. . .	Conwell ave. . .	Sunset rd. . . .	Private.	40	....	632
Hillside ave. . .	Pearl st. . . .	Southwesterly . .	Private.	30	....	150
Hillside cir. . .	Craigie st. . . .	Westerly	Private.	16	....	151
Hillside pk. . .	Walnut st. . . .	Northwesterly . .	Public.	40	....	196
Hinckley . . .	Broadway	B. & L. R. R. . .	Public.	30 and 35	1,081	....
Hodgdon pl. . .	Dane ave. . . .	Northeasterly . .	Private.	about 20	....	150
Holland . . .	Davis sq. . . .	Broadway	Public.	60	2,696	....
Holt's ave. . .	Oak st. . . .	Southeasterly . .	Private.	10	....	100
Holyoke road. .	Elm st. around to	Elm st. . . .	Public.	40	637	....
Homer sq. . .	Bonner ave. . . .	Northwesterly . .	Public.	30+	200	....
Horace st. . .	South St. . . .	Ward st. . . .	Public.	30	222	....
Horace . . .	Ward st. . . .	Fitchburg R. R. .	Private.	30	....	265
Houghton . . .	Springfield st. .	Cambridge line. .	Public.	40	653	....
Howard . . .	Thorndike st. . .	Gorham street . .	Public.	40	431	....
Howe . . .	Marshall st. . .	School st. . . .	Public.	40	445	....
Hudson. . .	Central st. . . .	Cedar st. . . .	Public.	40	2,760	....
Hunting . . .	South st. . . .	Cambridge line .	Private.	30	....	125
Ibbetson . . .	Somerville ave. .	Lowell st. . . .	Public.	40	802	....
Illinois ave. . .	Broadway	Pennsylvania ave.	Private.	40	....	427
Indiana ave. . .	Broadway	Pennsylvania ave.	Private.	40	....	384
Irving . . .	Holland st. . . .	Broadway	Public.	40	1,180	....
Ivaloo . . .	Beacon st. . . .	Park st. . . .	Public.	40	685	....
James . . .	Pearl st. . . .	Radcliffe road. .	Public.	40	320	....
Jaques . . .	Fellsway west . .	Temple st. . . .	Public.	40	1,182	....
Jaques . . .	Temple st. . . .	Bond st. . . .	Public.	45	1,005	....
Jasper pl. . .	Walnut st. . . .	Easterly	Private.	20	....	80
Jasper . . .	Pearl st. . . .	Gilman st. . . .	Public.	40	283	....
Jay . . .	Holland st. . . .	Howard st. . . .	Public.	40	534	....
Jerome ct. . .	Sycamore st. . . .	Jerome st. . . .	Private.	10	....	150
Jerome . . .	Montrose st. . .	Jerome ct. . . .	Private.	20	....	125
Jerome . . .	Lawrence rd. . .	Mystic Valley Park'y	Private.	40	....	495
Joseph . . .	Newton st. . . .	Lincoln parkway .	Public.	40	458	....
Josephine ave. .	Morrison ave. . .	Broadway	Public.	45	1,718	....
Joy . . .	Washington st. .	Poplar st. . . .	Public.	30	1,121	....
Joy St. pl. . .	Joy st. . . .	Southwesterly . .	Private.	30	....	175
Kenneson road .	Broadway	Walnut road . . .	Private.	30	....	338
Kensington ave. .	Broadway	Blakeley ave. . .	Public.	40	455	....
*Kensington ave.	Blakeley ave. . .	Middlesex ave. . .	Private.	40	....	1,150
Kent ct. . .	Kent st. . . .	Northerly	Private.	about 25	....	420
Kent . . .	Somerville ave. .	Fitchburg R. R. .	Public.	40	292	....
Kent . . .	Fitchburg R. R. .	Beacon st. . . .	Public.	25	386	....
Kenwood . . .	College ave. . . .	Billingham st. . .	Public.	40	322	....
Kidder ave. . .	College ave. . . .	Willow ave. . . .	Public.	40	1,329	....
Kilby . . .	Somerville ave. .	Southwesterly . .	Private.	20	....	180
Kimball . . .	Lowell st. . . .	Craigie st. . . .	Private.	40	....	303
Kingman road. .	Washington st. .	Fitchburg R. R. .	Private.	25	....	400
Kingston . . .	Meacham road . .	Cambridge line. .	Public.	40	647	....
Knapp . . .	School st. . . .	Granite st. . . .	Public.	40	379	....
Knowlton . . .	Tufts st. . . .	N'E'y line Est. 37	Public.	40	461	....
Knowlton . . .	End of above . .	Oliver st. . . .	Private.	40	....	464
Lake . . .	Hawkins st. . . .	Church st. . . .	Public.	40	840	....
Lamson ct. . .	Linwood st. . . .	Poplar st. . . .	Private.	20	....	370
Landers . . .	School st. . . .	Westerly	Public.	40	228	....
Langmaid ave. .	Broadway	Heath st. . . .	Public.	30	353	....
Latin way . . .	Talbot ave. . . .	Professors row . .	Private.	60	....	250
Laurel ave. . .	Laurel st. . . .	Northwesterly . .	Private.	18	....	125
Laurel . . .	Somerville ave. .	Summer st. . . .	Public.	40	983	....
Lawrence road .	Medford line . .	Mystic Valley Park'y	Private.	40	....	585
Lawson ter. . .	Putnam st. . . .	Easterly	Private.	5	....	200
Lee . . .	Medford st. . . .	Richdale ave. . .	Public.	40	385	....
Leland . . .	Washington st. .	Dane ave. . . .	Public.	40	359	....
Leon . . .	Concord ave. . .	Dickinson st. . .	Public.	40	155	....
Leonard pl. . .	Joy st. . . .	Northeasterly . .	Private.	13+	....	98
Leonard st. . .	Broadway	Powder House Blvd.	Private.	40	....	445
Lesley ave. . .	Highland ave. . .	Lexington ave. . .	Public.	40	333	....

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Leslie pl. . . .	Highland ave. .	Northerly . . .	Private.	12	....	75
Lester ter. . . .	Meacham road .	Northwesterly	Private.	20	....	190
Lexington ave. .	Willow ave. . .	Hancock st. . .	Public.	50	624	....
Lexington ave. .	Hancock st. . .	Angle	Public	45 to 40	147	....
Lexington ave. .	Angle	Cedar st. . . .	Public.	40	578	....
Liberty ave. . .	Broadway . . .	Appleton st. . .	Public.	40	1,493	....
Liberty rd. . . .	Morrison ave. .	Liberty ave. . .	Private.	16	....	200
Lincoln ave. . .	Lincoln st. . .	Mt. Vernon st.	Public	30	478	....
Lincoln parkway.	Washington st.	Perry st. . . .	Public.	40	1,520	....
Lincoln pl. . . .	Lincoln ave. .	Northerly . . .	Private.	9	....	120
Lincoln	Broadway. . .	Perkins st. . . .	Public.	40	550	....
Linden ave. . . .	Elm st.	Summer st. . . .	Public.	45	1,033	....
Linden ave. . . .	Summer st. . . .	Northeasterly	Private.	45	....	250
Linden circle . .	Linden ave. . .	Southeasterly .	Private.	24	....	120
Linden pl. . . .	Linden ave. . .	Northwesterly .	Private.	20	....	160
Linden	Somerville ave.	Charlestown st.	Public.	33	557	....
Line	Washington st.	Cambridge line	Public.	23	1,727	....
Linehan ct. . . .	Linwood st. . .	Chestnut st. . .	Private.	about 15	....	200
Linwood pl. . . .	Linwood st. . .	Southwesterly	Private.	about 12	....	150
Linwood	Somerville ave.	Washington st.	Public.	50	2,114	....
London	Linwood st. . .	B. & L. R. R. .	Private.	40	....	340
Loring	Somerville ave.	Osgood st. . . .	Public.	40	413	....
Louisburg pl. . .	Autumn st. . .	Easterly	Private.	13	....	90
Lovell	Broadway . . .	Electric ave. . .	Public.	40	335	....
Lowden ave. . . .	Broadway . . .	Fosket st. . . .	Public.	40	1,247	....
Lowell	Somerville ave.	Summer st. . . .	Public.	36	1,259	....
Lowell	Summer st. . .	Medford st. . .	Public.	40	3,472	....
Lowell circle . .	Lowell st. . . .	Westerly	Private.	11 and 27.5	....	143
Lowell ter. . . .	Lowell st. . . .	Northwesterly .	Private.	20	....	150
Madison	School st. . . .	Sycamore st. . .	Public.	40	891	....
Main	Broadway . . .	Medford line . .	Public.	50	966	....
Maine ave. . . .	Mystic ave. . .	Pennsylvania ave.	Private.	40	....	379
*Malden	Mystic ave. . .	Melrose st. . . .	Private.	50	....	1,360
Mallet	Willow ave. . .	Liberty ave. . .	Public.	40	657	....
Malloy ct.	Somerville ave.	Merriam ave. . .	Private.	30	....	255
Malvern ave. . .	Cameron ave. .	Yorktown st. . .	Public.	40	410	....
Mansfield	Somerville ave.	Washington st.	Public.	40	735	....
Maple ave. . . .	School st. . . .	Southeasterly .	Private.	40	....	300
Maple pl.	Marshall st. . .	Maple ave. . . .	Private.	5	....	125
Maple	Poplar st. . . .	Medford st. . . .	Public.	30	699	....
Mardel circle . .	Spring st. . . .	Northwesterly	Private.	8	....	140
Marion	Concord ave. .	Dimick st. . . .	Public.	40	1,141	....
Marshall	Broadway . . .	Pearl st.	Public.	40	1,650	....
Mason	Broadway . . .	Powder House Blvd.	Private.	40	....	683
May pl.	Hawkins st. . .	Easterly	Private.	12	....	100
McCarroll ct. . .	Clyde st. . . .	Southwesterly .	Private.	25	....	75
McCulpe pl. . . .	Medford st. . .	Easterly	Private.	10	....	110
McGregor ave. . .	Wigglesworth st.	Walnut st. . . .	Private.	13	....	302
Meacham road . .	Dover st. . . .	Cambridge line	Public.	40	1,860	....
Meacham	Mt. Vernon ave.	Medford line . .	Public.	40	777	....
Mead	Cameron ave. .	Moore st. . . .	Private.	40	....	340
Medford	Cambridge line	Central st. . . .	Public.	50	8,047	....
Medford	Central st. . .	Broadway	Public.	55	1,985	....
Melrose	Mystic ave. . .	Fellsway	Private.	50	....	2,310
Melvin	Broadway . . .	Bonair st. . . .	Public.	40	487	....
Merriam ave. . .	Merriam st. . .	Malloy ct. . . .	Private.	15	....	255
Merriam	Washington st.	Somerville ave.	Public.	40	360	....
Merriam	Somerville ave.	Charlestown st.	Public.	30	510	....
Michigan ave. . .	Broadway . . .	Pennsylvania ave.	Private.	40	....	470
†Middlesex ave .	Mystic ave. . .	Fellsway	Public.	60	2,304	....
Milk pl.	Somerville ave.	Southwesterly	Private.	about 30	....	100
Miller	Sacramento st.	Beacon st. . . .	Private.	33	....	465
Milton	Orchard st. . .	Cambridge line	Public	40	223	....
Miner	Vernon st. . . .	Ames st.	Public.	40	244	....
Minnesota ave. .	Broadway . . .	Pennsylvania ave.	Private.	40	....	525
Mondamin ct. . .	Ivaloo st. . . .	Harrison st. . .	Private.	25	....	250

*Proposed.

†State Highway.

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private
Monmouth . . .	Central st. . .	Westerly . . .	Public.	40	267	...
Monmouth . . .	End of above	Harvard st. . .	Private.	35	....	200
Montgomery ave.	Broadway . . .	Wellington ave.	Public.	40	265	....
Montrose ct. . .	Montrose st. . .	B. & L. R. R. . .	Private.	12	....	110
Montrose . . .	School st. . .	Sycamore st. . .	Public.	40	886	....
Montvale . . .	Edgemere st. . .	Easterly . . .	Private.	40	....	416
Moore . . .	Holland st. . .	Mead st. . .	Public.	40	695	....
Moreland . . .	Main st. . .	Mystic ave. . .	Public.	40	1,471	....
Morgan . . .	Beacon st. . .	Park st. . .	Public.	40	377	....
Morrison ave. . .	Cedar st. . .	Willow ave. . .	Public.	50	1,366	....
Morrison ave. . .	Willow ave. . .	College ave. . .	Public.	40	1,690	....
Morrison pl. . .	Morrison ave. . .	Northerly . . .	Private.	20	....	190
Morrison pl. . .	Morrison pl. . .	Easterly . . .	Private.	15	....	175
Mortimer pl. . .	Marshall st. . .	Walter st. . .	Private.	20	....	280
Morton . . .	Glen st. . .	Knowlton st. . .	Public.	40	287	....
Mossland . . .	Somerville ave. . .	Elm st. . .	Public.	40	377	....
Mountain ave. . .	Linden ave. . .	Porter st. . .	Private.	22	....	310
Mousal pl. . .	North Union st.	B. & M. R. R. . .	Private.	20	....	200
Mt. Pleasant ct.	Perkins st. . .	Southwesterly . . .	Private.	40	....	260
Mt. Pleasant . . .	Broadway . . .	Perkins st. . .	Public.	33	584	....
*Mt. Vernon ave.	Meacham st. . .	Mystic ave. . .	Private.	50	....	764
Mt. Vernon . . .	Washington st. . .	Pearl st. . .	Public.	40	600	....
Mt. Vernon . . .	Pearl st. . .	Perkins st. . .	Public.	50	473	....
Mt. Vernon. . .	Perkins st. . .	Broadway . . .	Public.	40	590	....
Munroe . . .	Walnut st. . .	Easterly . . .	Public.	40	375	....
Munroe . . .	End of above	Boston st. . .	Public.	50	1,214	....
Murdock . . .	Cedar st. . .	Clyde st. . .	Private.	30	....	900
Murray . . .	Washington st. . .	Southerly . . .	Private.	30	....	250
Museum . . .	Beacon st. . .	Cambridge line	Public.	40	164	....
Myrtle ct. . .	Myrtle st. . .	Easterly . . .	Private.	10	....	100
Myrtle pl. . .	Myrtle st. . .	Westerly . . .	Private.	20+	....	120
Myrtle . . .	Washington st. . .	Perkins st. . .	Public.	40	1,423	....
Mystic ave. . .	Charlestown line	Union st. . .	Public.	60	378	....
†Mystic ave . . .	Union st. . .	Medford line	Public.	66	6,938	....
Mystic . . .	Benedict st. . .	Mystic ave. . .	Public.	40	336	....
‡Mystic Val. Pky.	Medford line . .	Arlington line . .	Public.	60	2,330	....
Nashua . . .	Richardson st. . .	B. & L. R. R. . .	Public.	35	637	....
Nevada ave. . .	Village st. . .	Hanson st. . .	Private.	20	....	200
Newberne . . .	Appleton st. . .	Morrison ave. . .	Public.	40	200	....
Newberne . . .	Morrison ave. . .	Arlington Br. R.R.	Private.	40	....	173
Newbury park . .	Newbury st. . .	Southeasterly . . .	Private.	55	....	68
Newbury . . .	Holland st. . .	Cambridge line	Public.	40	1,260	....
N. Hampshire ave.	Mystic ave. . .	Pennsylvania ave.	Private.	40	....	406
Newman pl. . .	Cedar st. . .	Southeasterly . . .	Private.	15	....	100
Newton pl. . .	Newton st. . .	Easterly . . .	Private.	about 10	....	100
Newton . . .	Prospect st. . .	Webster ave. . .	Public.	25	470	....
Newton . . .	Webster ave. . .	Concord ave. . .	Public.	40+	637	....
Norfolk . . .	Webster ave. . .	Cambridge line	Public.	40	283	....
North . . .	Broadway . . .	Medford line b. 17	Public.	40	1,961	....
North . . .	Medford line b. 17	Medford line b. 18	Public.	37 to 42	649	....
North Union . . .	Mystic ave. . .	Northeasterly . . .	Private.	30	....	600
Norton . . .	Nashua st. . .	Southeasterly . . .	Private.	20	....	200
Norwood ave. . .	Broadway . . .	Medford st. . .	Public.	40	350	....
Oak . . .	Prospect st. . .	Angle . . .	Public.	40	665	....
Oak . . .	Angle . . .	Cambridge line	Public.	30	563	....
Oak St. pl. . .	Oak st. . .	Northerly . . .	Private.	4	....	85
Oak ter. . .	Elm st. . .	Northeasterly . . .	Private.	10+	....	90
Oakland ave. . .	Marshall st. . .	School st. . .	Public.	40	440	....
Olive ave. . .	Linden ave. . .	Peterson ter. . .	Private.	25	....	155
Olive sq. . .	Lake st. . .	Southerly . . .	Private.	about 15	....	100
Oliver . . .	Franklin st. . .	Cross st. . .	Public.	40	1,085	....
Orchard . . .	Cambridge line	Meacham road . .	Public.	40	1,567	....
Osgood . . .	Granite st. . .	Easterly & west'ly	Private.	40	....	450
Ossipee road . . .	Mason st. . .	Curtis st. . .	Public.	40	1,375	....
Otis . . .	Cross st. . .	Wigglesworth st. .	Public.	40	1,200	....
Oxford . . .	School st. . .	Central st. . .	Public.	35	1,361	....
Oxford . . .	Beacon st. . .	Cambridge line . .	Public.	50	100	....

*Proposed.

†State Highway Austin St. to Medford line.

‡Metropolitan Park Commission Boulevard.

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Packard ave. . .	Broadway . . .	Professors row . .	Public.	60	1,758	....
Packard ave. . .	Professors row . .	Medford line . . .	Private.	60	....	240
Palmer ave. . .	Franklin st. . .	Northwesterly . .	Private.	20	....	200
Park ave. . .	College ave. . .	Wallace st. . .	Public.	40	467	....
Park pl. . .	Laurel st. . .	Easterly . . .	Private.	30	....	522
Park pl. . .	Park pl. . .	Northeasterly . .	Private.	20	....	120
Park . . .	Somerville ave. .	Beacon st. . .	Public.	50	1,238	....
Parkdale . . .	Washington st. .	Montvale st. . .	Private.	40	....	500
Parker pl. . .	Porter st. . .	Northwesterly . .	Private.	20	....	150
Parker . . .	Washington st. .	Fremont ave. . .	Public.	35	203	....
Partridge ave. .	Vernon st. . .	Broadway . . .	Public.	40	1,467	....
Patten ct. . .	Cutter st. . .	Southeasterly . .	Private.	8	....	100
Paulina . . .	Broadway . . .	Holland st. . .	Public.	40	769	....
Pearl . . .	Crescent st. . .	Mt. Vernon st. .	Public.	37	341	....
Pearl . . .	Mt. Vernon st. .	Franklin st. . .	Public.	50	957	....
Pearl . . .	Franklin st. . .	Cross st. . .	Public.	40	1,060	....
Pearl . . .	Cross st. . .	Medford st. . .	Public.	50	2,447	....
Pearl St. pl. . .	Pearl st. . .	Northeasterly . .	Public.	20	166	....
Pearl ter. . .	Pearl st. . .	Northerly . . .	Private.	23	....	161
Pearson ave. . .	Morrison ave. .	Boston ave. . .	Public.	45	1,320	....
Pearson road . .	Broadway . . .	Dearborn road . .	Public.	40	1,713	....
Pembroke ct. . .	Pembroke st. . .	Southwesterly . .	Private.	25	....	130
Pembroke . . .	Central st. . .	Sycamore st. . .	Public.	40	430	....
Pennsylvania ave.	Broadway . . .	Wisconsin ave. .	Private.	50	....	1,262
Pennsylvania ave.	Wisconsin ave. .	Cross st. . .	Private.	40	....	200
Perkins pl. . .	Perkins st. . .	Northeasterly . .	Private.	20	....	200
Perkins . . .	Franklin st. . .	Charlestown line .	Public.	40	1,336	....
Perry . . .	Washington st. .	Lincoln parkway .	Public.	40	606	....
Peterson ter. . .	Porter st. . .	Olive ave. . .	Private.	7.5	....	155
Pinckney pl. . .	Pinckney st. . .	Southeasterly . .	Private.	24	....	125
Pinckney . . .	Washington st. .	Perkins st. . .	Public.	40	1,186	....
Piper ave. . .	Cedar st. . .	Westerly . . .	Private.	20	....	461
Pitman . . .	Beech st. . .	Spring st. . .	Private.	30	....	380
Pitman . . .	Spring st. . .	Belmont st. . .	Private.	26	....	390
Pleasant ave. . .	Walnut st. . .	Vinal ave. . .	Public.	40	543	....
Poplar ct. . .	Poplar st. . .	Southeasterly . .	Private.	10	....	80
Poplar . . .	Somerville ave. .	Linwood st. . .	Public.	30	351	....
Poplar . . .	Linwood st. . .	Joy st. . .	Public.	35	315	....
Poplar . . .	Joy st. . .	B. & L. R. R. . .	Private.	35	....	65
Porter ave. . .	Porter st. . .	Northwesterly . .	Private.	20	....	220
Porter . . .	Elm st. . .	Mountain ave. . .	Public.	45	1,622	....
Porter . . .	Mountain ave. .	Highland ave. . .	Public.	40	415	....
Powder house boulevard . .	Powder house square . .	Northwesterly, Mystic river and Medford line . .	Public.	80	7,200	....
Powder house ter.	Kidder ave. . .	Liberty ave. . .	Public.	40	585	....
Prentiss . . .	Beacon st. . .	Cambridge Line .	Private.	35	....	150
Prescott . . .	Summer st. . .	Highland ave. . .	Public.	50	1,110	....
Preston road . .	School st. . .	Summer st. . .	Public.	40	839	....
Prichard ave. . .	Morrison ave. .	Boston ave. . .	Public.	40	1,191	....
Princeton . . .	Alpine st. . .	Lowell st. . .	Public.	40	648	....
Princeton . . .	Lowell st. . .	Centre st. . .	Private.	40	....	540
Professors row . .	College ave. . .	Curtis st. . .	Public.	40	2,000	....
Prospect . . .	Washington st. .	Cambridge line . .	Public.	50	2,071	....
Prospect Hill av.	Medford st. . .	Munroe st. . .	Public.	40	597	....
Prospect Hill p'k'y	Munroe st. . .	Stone ave. . .	Public.	40	400	....
Prospect pl. . .	Prospect st. . .	Newton st. . .	Private.	20	....	130
Putnam . . .	Summer st. . .	Highland ave. . .	Public.	50	1,262	....
Quincy . . .	Somerville ave. .	Summer st. . .	Public.	40	781	....
Radcliffe road. .	Walnut st. . .	Bradley st. . .	Public.	35	392	....
Radcliffe road. .	Bradley st. . .	Marshall st. . .	Public.	40	261	....
Randolph pl. . .	Cross st. . .	Westerly . . .	Private.	15	....	244
Raymond ave. . .	Curtis st. . .	North st. . .	Public.	40	1,345	....
Record ct. . .	Broadway . . .	Southwesterly . .	Private.	10	....	110
Reed's ct. . .	Oliver st. . .	Southwesterly . .	Private.	20	....	105
Remick ct. . .	Cutter st. . .	Southeasterly . .	Private.	10	....	100
Renfrew st. . .	Washington st. .	Montvale st. . .	Private.	40	....	450
Rhode Island ave.	Mystic ave. . .	Pennsylvania ave. .	Public.	40	460	....
Richardson . . .	Lowell st. . .	Hinckley st. . .	Public.	35	467	....
Richardson ter. .	Richardson st. .	Northeasterly . .	Private.	20	....	135
Richdale ave. . .	School st. . .	Sycamore st. . .	Public.	40	875	....
Richmond hi'l'ds {	Madison st. . .	Southerly 146' . .	Private.	30	....	146
	Madison st. s'ly146	Highland ave. . .	Private.	10	....	140

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Roberts	Hinckley st. . .	Northwesterly . .	Private.	20	....	170
Robinson	Central st. . . .	Bartlett st. . . .	Public.	40	582	....
Rogers ave. . . .	Morrison ave. . .	Boston ave. . . .	Public.	45	1,682	....
Roland st. . . .	Waverly st. . . .	Boston line . . .	Private.	40	....	100
Roseland	Beacon st. . . .	Cambridge line . .	Public.	40	121	....
Rossmore	Somerville ave. .	Washington st. . .	Public.	40	534	....
Royce pl.	Bonair st.	Northeasterly . . .	Private.	15+	....	175
Rush	Broadway	Flint st.	Public.	40	1,400	....
Russell road . . .	Broadway	near P. H. boulevard	Public.	40	559	....
Russell	Elm st.	Cambridge line . .	Public.	40	700	....
Sacramento . . .	Somerville ave. .	Fitchburg R. R. . .	Public.	40	80	....
Sacramento . . .	Fitchburg R. R. .	Beacon st.	Public.	40	290	....
Sacramento . . .	Beacon st.	Cambridge line . .	Public.	40	154	....
Sanborn ave. . .	Warren ave. . . .	Walnut st.	Public.	40	280	....
Sanborn ct. . . .	Washington st. .	Northwesterly . .	Private.	30	....	178
Sargent ave. . . .	Broadway	Walnut st.	Public.	40	1,075	....
Sartwell ave. . .	Cedar st.	Cherry st.	Public.	35	427	....
Sawyer ave. . . .	Packard ave. . . .	Curtis st.	Private.	40	....	690
School	Somerville ave. .	Highland ave. . . .	Public.	40	1,901	....
School	Highland ave. . .	Broadway	Public.	50	2,500	....
Sellon pl.	Marshall st. . . .	Northwesterly . .	Private.	12	....	120
Seven Pines ave. .	Cameron ave. . .	Cambridge line . .	Public.	40	92	....
Sewall ct.	Sewall st.	Southwesterly . .	Private.	25	....	190
Sewall	Grant st.	Temple st.	Public.	40	615	....
Shawmut	Washington st. .	Cross st.	Public.	40	575	....
Shedd	Somerville ave. .	Merriam ave. . . .	Private.	40	....	310
Sherman ct. . . .	Sargent ave. . . .	Marshall st. . . .	Private.	10	....	250
Sibley ct.	Cutter st.	Northwesterly . .	Private.	10	....	100
Sibley pl.	Cutter st.	Northwesterly . .	Private.	10	....	110
Simpson ave. . . .	Broadway	Holland st.	Private.	40	....	825
Skehan	Dane st.	Hanson st.	Public.	30	306	....
Skehan	Hanson	Durham	Private.	30	....	414
Skilton ave. . . .	Pearl st. around to	Pearl st.	Private.	40	....	540
Smith ave.	Beacon st.	Line st.	Private.	25+	....	200
Snow ter.	Jaques st.	Southwesterly . .	Private.	16	....	120
Somerville ave. .	E. Camb. line . .	Union sq.	Public.	75	4,325	....
Somerville ave. .	Union sq.	N. Camb. line . .	Public.	70	6,793	....
South	Medford st. . . .	Water st.	Public.	30	989	....
Spencer ave. . . .	Cedar st.	Hancock st. . . .	Public.	40	727	....
Spring ct.	Somerville ave. .	Westerly	Private.	20	....	200
Spring	Somerville ave. .	Summer st.	Public.	40	1,220	....
Springfield . . .	Concord ave. . . .	Cambridge line . .	Public.	40	788	....
Spring Hill ter. .	Highland ave. . .	Belmont st.	Private.	20	....	670
Stanford ter. . . .	Beacon st.	Northeasterly . .	Private.	20	....	200
Steeves circle . .	Cherry st.	Easterly	Private.	15	....	120
*Sterling st. . . .	North st.	Powder House Bd. .	Private.	40	....	800
Stickney ave. . . .	Marshall st. . . .	School st.	Public.	40	458	....
St. James ave. . .	Elm st.	Summer st.	Public.	40	488	....
St. James ave. ext	Summer st.	Northeasterly . .	Public.	30	125	....
Stone ave.	Union sq.	Columbus ave. . .	Public.	40	676	....
Stone ave.	Columbus ave. . .	Prospect Hill p'k'y	Public.	38	107	....
Stone pl.	Stone ave.	Southeasterly . .	Public.	30	142	....
Strathmore road. .	Broadway	Medford line. . . .	Private.	40	....	15
Summer	Row st.	Elm st.	Public.	45	7,900	....
Summit ave. . . .	Walnut st.	Vinal ave.	Public.	45	532	....
Summit	College ave. . . .	Billingham st. . .	Public.	40	262	....
Sumner	Hinckley st. . . .	Northwesterly . .	Private.	20	....	175
Sunnyside ave. . .	Walnut st.	Wigglesworth st. .	Public.	25 to 35	306	....
Sunset rd.	Curtis st.	Hillsdale road . .	Private.	40	....	658
Sycamore	Broadway	Medford st.	Public.	45	1,275	....
Sycamore	Medford st. . . .	B. & L. R. R. . . .	Public.	40	667	....
Sycamore	B. & L. R. R. . .	Highland ave. . .	Public.	35	722	....
Sydney	Grant st.	Temple st.	Public.	40	679	....
Talbot ave.	Packard ave. . . .	College ave.	Private.	50	....	1,409
*Tannery (Ext'n)	Cambridge line. .	Woodstock st (Ext'n)	Private.	40	....	120
Taunton.	Wyatt st.	Easterly to angle .	Private.	30	....	170
Taunton	Angle	Marion st.	Private.	20	....	95
Taylor pl.	Somerville ave. .	Southerly	Private.	15	....	200

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Taylor	Mystic ave. . . .	Sydney st.	Public.	40	309	....
Teele ave.	Packard ave. . . .	Curtis st.	Public.	40	685	....
Temple	Broadway	Mystic ave.	Public.	66	1,637	....
Tenney ct.	Mystic ave.	Northeasterly . . .	Private.	30	....	490
Tennyson	Forster st.	Pembroke st. . . .	Public.	40	922	....
Thorndike	Holland st.	Arl'ngt'n Br. R. R.	Public.	40	465	....
Thornbike	Arl'gt'n Br. R.R.	Kingston st. . . .	Public.	40	115	....
Thorpe	Highland ave. . . .	Southwesterly . . .	Public.	30	463	....
Thurston	Broadway	Richdale ave. . . .	Public.	40	1,660	....
Timmins pl.	Dane st.	Westerly	Private.	3.5	....	97
Tower ct.	Tyler st.	Northeasterly . . .	Private.	25	....	150
Tower	Crown st.	Highland ave. . . .	Public.	40	559	....
Tremont pl.	Tremont st.	Southeasterly . . .	Private.	about 10	....	75
Tremont	Webster ave. . . .	Cambridge line . . .	Public.	40	589	....
Trull	Vernon st.	Medford st.	Public.	40	1,050	....
Trull lane	Highland ave. . . .	Oxford st.	Private.	15	....	200
Tufts parkway	College ave.	College ave.	Public.	22	900	....
Tufts	Washington st. . . .	Cross st.	Public.	40	982	....
Tyler	Vine st.	Dane st.	Public.	40	404	....
Union	Broadway	Mystic ave.	Public.	40	345	....
Union pl.	Linwood st.	Southwesterly . . .	Private.	10	....	100
Upland Park	Main st.	Southwesterly . . .	Private.	20	....	175
Vermont ave.	Mystic ave.	Pennsylvania ave.	Private.	40	....	433
Vernon	Central st.	Glenwood road . . .	Public.	40	764	....
Vernon	Glenwood road . . .	Partridge ave. . . .	Public.	40 to 30	190	....
Vernon	Partridge ave. . . .	Lowell st.	Public.	30	434	....
Victoria	Broadway	Cambridge line . . .	Public.	40	1,036	....
Villa ave.	Winslow ave. . . .	Arlington Br. R. R.	Private.	35	....	200
Village	Dane st.	Vine st.	Private.	25	....	370
Vinal ave.	Summer st.	Highland ave. . . .	Public.	45	1,425	....
Vinal	Richardson st. . . .	Northeasterly . . .	Private.	20	....	200
Vine ct.	Vine st.	Northwesterly . . .	Private.	25	....	140
Vine	Somerville ave. . . .	Fitchburg R. R. . .	Public.	40	540	....
Vine	Fitchburg R. R. . .	Hanson st.	Private.	40	....	222
Vine	Hanson st.	Beacon st.	Public.	30	662	....
Virginia	Aldrich st.	Jasper st.	Public.	40	405	....
Wade ct.	Cedar st.	Westerly	Private.	20	....	180
Waldo ave.	Beacon st.	Dimick st.	Private.	40	....	277
Waldo	Highland ave. . . .	Hudson st.	Public.	40	287	....
Walker st.	Broadway	Leonard st.	Public.	40	718	....
Wallace	Holland st.	Broadway	Public.	40	1,342	....
Walnut	Bow st.	Broadway	Public.	40	3,948	....
Walnut road	Walnut st.	Kenneson road . . .	Public.	40	270	....
Walter pl.	Walter st.	Southwesterly . . .	Private.	40	....	222
Walter	Walnut st.	{ about 100 ft. N. } { of Bradley st. }	Public.	40	543	....
Ward	Medford st.	Harding st.	Public.	30	433	....
Ware	Curtis st.	Dow st.	Private.	40	....	630
Warner	Powder House sq. . .	Medford line	Public.	60	500	....
Warren ave.	Union sq.	Columbus ave. . . .	Public.	40	663	....
Warren	Medford st.	Cambridge line . . .	Public.	30 to 40	109	....
Warwick place	Warwick st.	Northeasterly . . .	Private.	15	....	150
Warwick	Cedar st.	Warwick pl.	Public.	40	665	....
Washington ave. . . .	Washington st. . . .	Northerly	Private.	18	....	550
Washington pl.	Washington st. . . .	Southerly	Private.	about 7.5	....	114
Washington	Charlest'n line . . .	Franklin ave. . . .	Public.	75	1,060	....
Washington	Franklin ave. . . .	Fitchburg R. R. . .	Public.	60 to 100	3,977	....
Washington	Fitchburg R. R. . .	Cambridge line . . .	Public.	60	2,344	....
Water	South st.	Northerly	Public.	25	366	....
Waterhouse	Broadway	Cambridge line . . .	Public.	40	937	....
Watson	Broadway	Fairmount ave. . . .	Private.	40	....	236
Waverly	Washington st. . . .	Roland st.	Private.	25	....	200
Webster ave.	Union sq.	Cambridge line . . .	Public.	49.5	1,955	....
Webster	Franklin st.	Cross st.	Public.	40	1,034	....
Wellington ave.	Walnut st.	Montgomery ave. . .	Public.	40	215	....
Wellington ave.	Montgomery ave. . .	Easterly	Private.	40	....	85

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM.	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Wesley pk.	Wesley sq.	Northeasterly . . .	Public.	40	405	....
Wesley	Pearl st.	Otis st.	Public.	40	515	....
West	Hawthorne st. . .	Highland ave. . .	Public.	30	192	....
West	Highland ave. . .	Arlington Br. R. R.	Private.	30	....	266
West Adams . . .	Conwell ave. . . .	Medford line . . .	Private.	40	....	710
Westminster . .	Broadway	Electric ave. . . .	Public.	40	376	....
Weston ave. . . .	Clarendon ave. . .	Broadway	Private.	40	....	525
West Quincy . .	Bailey st.	Medford line . . .	Private.	40	....	291
Westwood road .	Central st.	Benton road . . .	Public.	40	489	....
Wheatland	Broadway	Mystic ave.	Public.	40	1,364	....
Wheeler	Pinckney st. . . .	Mt. Vernon st. . .	Public.	40	269	....
Whipple	Highland ave. . .	Arlington Br. R. R.	Private.	30	....	318
†White	Elm st.	Cambridge line . .	Public.	..	307	....
White St. pl. . .	White st.	Southeasterly . . .	Private.	20	....	200
Whitfield road .	Packard ave. . . .	Curtis st.	Private.	40	....	684
Whitman st. . . .	Mason st.	Packard ave. . . .	Private.	40	....	632
Wigglesworth . .	Bonair st.	Pearl st.	Public.	40	744	....
William	Chandler st. . . .	College ave.	Public.	40	381	....
William	Broadway	Medford line . . .	Private.	50	....	50
Williams ct. . . .	Porter st.	Northwesterly . .	Private.	30	....	154
Willoughby . . .	Central st.	Sycamore st.	Public.	40	427	....
Willow ave. . . .	Elm st.	Broadway	Public.	50	3,534	....
Willow pl.	Cambridge line . .	South st.	Private.	25	....	150
Wilson ave. . . .	Broadway	B. & L. R. R. . . .	Public.	20	307	....
Wilton	Lowell st.	Hinckley st. . . .	Public.	35	470	....
Winchester . . .	Broadway	Medford line . . .	Private.	40	....	65
Windom	Elm st.	Summer st.	Public.	40	300	....
Windsor road . .	Willow ave.	Hancock st.	Public.	40	575	....
Windsor st. (Extn.)	Windsor st., Camb.	Fitchburg R. R. . .	Private.	20	....	530
Winslow ave. . .	College ave. . . .	Clifton st.	Public.	40	1,123	....
Winter	College ave. . . .	Holland st.	Public.	30	402	....
Winter Hill cir. .	Broadway	Northeasterly . . .	Private.	25	....	177
Winthrop ave. .						
(Extension.) . .	Mystic ave.	Middlesex ave. . .	Private.	40	....	583
Wisconsin ave. .	Broadway	Pennsylvania ave. .	Public.	50	499	....
Woodbine	Centre st.	Lowell st.	Private.	30	....	600
*Woods ave. . . .	North st.	Powder House Blvd.	Private.	40	....	1,135
Woodstock	Victoria st.	Alewife brook . . .	Public.	40 to 32	403	....
*Woodstock . . .						
(Extension.) . .	Victoria st.	Tannery st. (Ext'n.)	Private.	40	....	920
Wyatt circle . . .	Wyatt st. around to	Wyatt st.	Private.	20	....	315
Wyatt	Concord ave. . . .	Lincoln parkway . .	Public.	40	496	....
Yorktown	Cambridge line . .	{ N. E. line Mal- } { vern ave. } . . .	Public.	40	294	....
Yorktown	{ N. E. line } { Malvern ave. } . .	Northerly	Private.	40	....	100

*Proposed.

†Sidewalk in Somerville.

Court	Albion st.	Central st.	Private.	12	....	216
Court	11 Albion st. . . .	Northeasterly . . .	Private.	9	....	178
Court	21 Albion st. . . .	Northeasterly . . .	Private.	10	....	100
Court	292 Broadway . . .	Southwesterly . . .	Private.	15	....	90
Court	612 Broadway . . .	Southwesterly . . .	Private.	20	....	188
Court	Buena Vista rd. . .	Easterly	Private.	15	....	145
Court	113 Central st. . .	Southeasterly . . .	Private.	20	....	150
Court	227 Columbia st. .	Northwesterly . . .	Private.	10	....	117
Court	Conlon ct.	Windsor st. (Etn.)	Private.	20	....	240
Court	36 Craigie st. . . .	Westerly	Private.	25	....	126
Court	58 Dane st.	Easterly	Private.	10	....	70
Court	20 Dimick st. . . .	Southwesterly . . .	Private.	39 25	....	136
Court	66 Lowell st. . . .	Westerly	Private.	25	....	101
Court	78 Lowell st. . . .	Westerly	Private.	25	....	101
Court	101 Medford st. . .	Easterly	Private.	8	....	75
Court	Sacramento st. . .	Southeasterly . . .	Private.	25	....	318
Court	10 Stone ave. . . .	Northwesterly . . .	Private.	20	....	113
Court	Windsor st. (Extn.)	East'y and West'y	Private.	20	....	370
Total					423,642	101,057

Public, 80,235 miles (includes 3,294 miles boulevards and 1,596 miles State Highway); private, 19,139 miles.

Total length of streets in the city, 99,374 miles.

REPORT OF THE STREET COMMISSIONER.

OFFICE OF THE STREET COMMISSIONER, }
CITY HALL, SOMERVILLE, January 1, 1915. }

To His Honor the Mayor, and the Board of Aldermen:—

Gentlemen,—I most respectfully submit the thirty-ninth annual report, containing a brief summary of the principal work performed by the highway department, by day labor and contract during the year 1914, with recommendations for necessary improvements and additions for the coming year.

This department has charge of the construction, alteration, repair, maintenance and management of ways, streets, sidewalks and bridges; the setting out and care of shade trees; the suppression of gypsy and brown-tail moths, elm-leaf beetles; the watering and oiling of streets; and the collection and disposal of ashes, garbage and refuse.

The question of how to make, and how to maintain good streets, is one that is steadily pressing to the front as one of the most important concerns of the highway department, and with the large increase in the number of automobiles and auto-trucks our streets need constant attention.

Highways Maintenance.

All the good material from streets that were constructed with some kind of permanent paving, was teamed to side streets, spread, and rolled with the steam roller. On top of this material a light layer of nut stone was spread, and a coat of "Tarvia" used hot for a sealing coat. Pea stone was then spread and rolled before the tarvia became cold. Many streets were thus improved at a very small expense.

The two weeks' vacation given to laborers by the voters will increase the running expenses of the department.

The average cost of macadam and tarvia construction on side streets was:—

By the department	0.98 per square yard.
By contract	0.81 per square yard.

Concrete gutters:—

By the department	\$2.50 per square yard.
By contract	\$1.68 per square yard.

Highways Construction.

The city has made more progress the past year than in any previous year, in the construction of streets and sidewalks.

Upon the introduction of the automobile, the department used advanced methods in repairing and constructing of streets, being one of the first cities in New England to use "Tarvia."

The average cost of Tarvia macadam on a concrete base, for the past year was:—

By the department	\$1.81 per square yard.
By contract	\$1.36 per square yard.

Street Cleaning.

A special effort has been made by the department to keep the streets clean; and by not throwing rubbish in the streets, the people could be of great assistance in making a marked improvement in the appearance of the city.

A committee of citizens was formed, with Mrs. Frank E. Bateman as chairman, for the purpose of having a clean-up week to begin May 4. The Mayor and heads of departments co-operated with the committee, and good results were obtained. Back yards, alley-ways, vacant lots, attics and cellars were cleaned up; and the department teamed away everything on the days for the regular collection of ashes. The streets were also cleared of rubbish. A small balance in the treasury of the committee, was used for the purchase of refuse cans which were placed in the vicinity of school buildings.

I recommend clean-up weeks in the spring and fall.

The scarcity of dumps increases the cost of this branch of the work, 10,963 loads of scrapings being removed in 1914.

Street Sprinkling

All macadam streets were oiled, and with our new auto-oiler the work has been done more satisfactorily. Tascoil was used on paved car tracks with good results. After several applications of oil or tar, I find a fairly good surface on our streets, one that keeps down the dust and saves the road from wear and disintegration. The assessment to each abutter was five cents per linear foot.

Stone Crusher.

Most of the stone used the past year was purchased by contract. The William J. McCarthy Co. furnished 6,630.65 tons at \$1.25 per ton delivered. Coleman Bros. 3,824.47 tons (trap-rock) at \$1.45 per ton delivered, and 227.25 tons at \$1.25 per ton delivered.

The crushing plant has been in operation fifty-nine days. Stone crushed, 1,482.50 tons. The steam-drill has worked fifty days.

Bridges.

The bridges are in good condition. Several of them have been strengthened by new girders and planks. A special effort was made, by the Mayor, to induce the railroad officials to have the approaches to their bridges constructed with the same kind of material that the city has used in their construction to the approaches. But because of the lateness of the season, this work was not started. I hope the coming year this work will be accomplished.

Shade Trees.

Shade trees have much to contend with because of electric wires, insects, gas leaks, and the new methods of constructing streets and sidewalks.

One hundred and thirty-two trees (thirty-two furnished by the Woman's Club) were set out. One hundred trees were cut down. One hundred and ninety-three trees were trimmed. A total of 6,254 were sprayed by the gasoline spraying machine.

The leopard moth or borer is killing many of our shade trees, and an appropriation should be made to enable the department to make a fight against this pest.

Steam Road-rollers.

The department has one five-ton roller, one twelve-ton and two fifteen-ton rollers.

No. 1 worked 159½ days.

No. 2 worked 163 days.

No. 3 worked 39 days.

No. 4 worked 159 days.

The department has received a revenue by letting these rollers to contractors.

Gypsy and Brown-Tail Moths.

I find after careful inspection that the colonies of gypsy moths, that we must destroy the coming year, are very large.

7,469 street trees were inspected and cared for.

8,359 private trees were inspected and cared for.

66,096 brown-tail nests were gathered and destroyed.

4,504 Gypsy nests were painted with creosote.

Sidewalks.

Nearly all the sidewalks constructed the past year were of granolithic. Many sidewalks were completed by filling in the gaps, thus making continuous walks on many streets.

The average cost of:—

Edgestone delivered was 58c per lin. ft.

Gravel sidewalks with edgestone 0.99 per lin. ft.

Brick sidewalks \$1.29 per square yard.

Granolithic sidewalks \$1.51 per square yard.

This includes the resetting of edgestone.

The contract price was:—for gravel sidewalk (edgestone furnished by the city) 25 and 29 cents per lin. ft.; for granolithic \$1.33 per square yard, this price does not include extras.

I recommend the purchase of a concrete mixing machine as I am positive it would reduce the expense in this branch of the work.

Snow and Ice.

If the department is called upon to care for as large an amount of snow and ice as it was during the past year, without a separate appropriation for that work, the amount available for the running expenses of the department will be greatly lessened.

It is the duty of the department to remove the snow and ice from all sidewalks, in front of public grounds and public buildings and sand the same when they become slippery, receiving no compensation for work performed, also to care for the bridges made necessary by the abolition of the grade crossings.

1,706 loads of snow and ice were removed this year. \$6,435.07 was expended for the care of snow and ice.

Underground Wires.

The Edison Electric Illuminating Co., laid conduits on the north side of Medford street from Gilman square to Magoun square and on Curtis street between Raymond avenue and Conwell avenue.

The New England Telephone and Telegraph Co., laid conduits on Summer street between Cedar street and Willow avenue, and on Willow avenue between Highland avenue and Fosket street and additions to conduits on Medford street, South side, from Sycamore street to Magoun square.

Both companies were issued permits for opening streets to connect their underground system on the main streets to the first or second pole on the intersecting streets.

On all streets constructed, these companies, as far as possible, laid their wires underground and made their connections.

Accepted Streets.

There were eight streets accepted, under the Betterment Act, comprising a total length of 2,338 linear feet. There were eighteen streets constructed, under the Betterment Act, with macadam and tarvia, comprising a total length of 12,384 linear feet at an average cost of 0.89 per square yard. Edgestones were set before the construction work was begun.

There were ten streets or portions of streets macadamized or resurfaced at a cost of \$3,256.87.

Sidewalks Maintenance.

Many sidewalks in the city should have the edgestones reset and the bricks relaid. I recommend that granolithic be substituted for brick where the sidewalk is to be relaid.

660 feet of edgestones were reset.

414 square yards of brick sidewalk were relaid.

The department spends a large amount of money in the care of gravel or dirt sidewalks,

Sanitary Division.

The expenditure for refuse disposal is increasing on account of the scarcity of dumps and the rapid increase in population. I recommend that incinerators be established in different parts of the city, especially on the south side. This would save the long haul to the dumps in the eastern and western parts, and would decrease the cost of this branch of the work.

If the residents would be more careful in the separation of combustibles and non-combustibles, it would be a saving to the department; and I am sure the dumps would be more sightly and give cause for fewer complaints from the residents in those districts.

The city government should look forward and make recommendations as to the disposal of ashes and rubbish.

The garbage is teamed to the city yard and sold to the farmers at \$0.50 per cord foot, and the combustible material carried to the incinerator, where it is sorted by a contractor who paid the city \$1,170 in 1914. For these two items the city received \$10,035.50.

Summary of Collections:—

87,742 cubic yards of refuse.
1,530 cubic yards of rubbish.
30,894 cubic yards of paper.
2,147.14 cords of garbage.

Miscellaneous.

Specifications were sent out to all the local and wholesale concerns, and bids asked for the furnishing of edgestone brick, sand, gravel, cement, tools, paving stock, hay, straw, grain, etc. The bids were opened publicly in the office of the mayor, and the contracts were awarded to the lowest bidder, preference being given to Somerville citizens and taxpayers.

The department does its own painting, carpentering, blacksmithing, horseshoeing, harness-making, and repairing, maintaining shops for these different lines of work at the city stable.

Horses have been purchased, killed or sold as follows:—

	Purchased.	Killed.	Sold.
Street Division	4	6	0
Sanitary Division	1	3	0

I have attended twenty meetings of the committee on public works, and twenty-six of the board of public works for consultation regarding work and petitions.

Under the pension act for laborers and veterans of the Civil war, four employees are on the pension list. In 1913 the voters accepted the Workmen's Compensation Act and

in 1914 the voters accepted the two-weeks' vacation for laborers.

The following permits were issued during the year:—

- 15 Permits for steam rollers, erecting canopies, and blasting rock.
- 238 Permits to the Cambridge Gas Light Company.
- 131 Permits to Charlestown Gas Company.
- 233 Permits to occupy streets and sidewalks.
- 55 Permits to cross sidewalks.
- 17 Permits to feed horses.
- 103 street watering complaints and requests.
- 453 notifications to other departments and corporations.
- 244 requests to repair gravel sidewalks.
- 25 accidents reported.
- 665 police reports.
- 403 streets oiled.
- 379 brick and granolithic sidewalks repaired.
- 466 miscellaneous reports and requests.
- 62 requests to care for moths.
- 370 poles and guards for trees.
- 155 drain layers permits.
- 932 water department openings.
- 1,706 loads of ice and snow removed.
- 188 permits to open streets and sidewalks.
- 77 new signs erected by the department.
- 54 signs re-painted by the department.
- 1,575 cubic yards sand and gravel used.
- 13,492 cubic yards removed or handled.
- 10,963 cubic yards scraping removed from streets.
- 2,399 cubic yards old macadam used.
- 4,640 cubic yards ashes used.
- 14 loads ballast used.

Recommendations.

I most respectfully recommend that the unpaved portions of Broadway, Willow avenue, Somerville avenue, Washington street, Medford and Summer streets be completed.

Magoun, Concord and Powder House squares should be paved with some kind of permanent paving, thus completing all the squares in the city.

Middlesex avenue has been accepted by the Massachusetts Highway Commission as a state highway, work was started late this fall and will be completed the coming year.

I wish to extend my sincere thanks to all for their support and hearty co-operation.

Respectfully submitted,

ASA B. PRICHARD,

Street Commissioner.

Highways Maintenance Account.

CREDIT.

Appropriation		\$33,400 00
Less transfer to Highways, Street Cleaning	\$1,200 00	
Less transfer to Highways Construction, Macadam Pavement	1,800 00	
Less transfer to Highways, Care of Trees	200 00	
Less transfer to Sidewalks Maintenance	200 00	
		<u>\$3,400 00</u>
		\$30,000 00

Receipts and credits:—

Use of city teams on sundry work	\$4,714 01	
Use of steam road roller on sundry work	2,016 14	
Use of tools on sundry work	120 44	
Public property bills of 1911-1912	5 49	
Value of materials on hand January 1, 1914	1,918 10	
Profit and loss on materials	304 96	
		<u>\$9,079 14</u>
Total credit		\$39,079 14

DEBIT.

Expenditures:—

For repairs of sundry streets as per Table D at end of this report	\$3,256 87
General repairs of streets	5,913 01
Repairs of street and block paving	2,675 59
Repairs of street crossings	83 59
Repairs of gutters	121 87
Repairs of steam road rollers	903 85
Repairs of carts, plows, etc.	1,767 35
Repairs of crusher	272 67
Repairs of tools	58 54
Repairs of bridges and grades	83 98
Repairs and supplies of Street Commissioner's automobile	335 85
Storage of Street Commissioner's automobile	65 00
Painting carts	372 15
Removing snow and ice and care of slippery sidewalks	6,435 07
Rolling for Tufts College	8 40
Care of Highways, Parks and Parkways	49 05
One-half cost constructing driveway for Wm. F. Bennett driveway, Somerville avenue	102 61
Street opening, Broadway at Dexter street	58 82
Street opening, Conwell street at College Hill road	55 11
Street crossing, Kingston street at Meacham road	35 39
Street crossing, Linwood street at Congress place	50 12
Sodding and granolithic steps, Porter street	93 37
Care of subways	457 68
Blacksmithing	273 40
Carpentering	113 58
Painting	70 20

Amount carried forward , , , , , \$23,713 12

Amount brought forward	\$23,713 12
Sawing wood	87 93
Street signs and numbers	1,027 12
Steam drill (repairs of same and fuel)	70 78
Waltham Gravel Land, taxes	162 49
Waltham Gravel Land (suppression of moths)	15 00
Money paid men injured while at work	104 85
Money paid men for holidays	744 69
Money paid men while sick	24 50
Taking care of highway property	673 47
Street Commissioner's salary	2,400 00
Pensions for laborers	1,121 08
Pensions for veterans	192 56
Street Commissioner's telephone	28 94
Emergency call	15 92
Sundry expenses	2,825 82
Horses	425 00
Carts, plows, rollers, etc.	203 25
Tools	695 67
Iron and hardware	29 11
Lumber	172 84
Lime	1 25
Advertising laying out sundry streets	196 50
Books, stationery, printing and postage	225 43
Public Grounds (bill unpaid December 31, 1914)	62 70
Edison Electric Illuminating Co. (bill unpaid December 31, 1914)	21 76
Private work (receipts credited to revenue)	903 42
Private work, bills which remained unpaid December 31, 1914	78 69
Value of materials on hand December 31, 1914	2,099 21
Total debit	\$38,323 10
Balance unexpended	\$756 04

Highways Construction, New Streets.

CREDIT.

Appropriation	\$25,000 00
Transfer to Highways Construction	
Permanent Pavement	5,700 00
	<hr/>
	\$19,300 00
Advertising and recording releases and plans in 1913, charged in cost of streets in 1914	191 00
Highways, Macadam Pavement, use of tools in partial construction of Willow avenue	10 00
	<hr/>
Total credit	\$19,501 00

DEBIT.

Expenditures:—

For construction of streets as appears in Table A, at end of this report	\$37,211 08
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Amount brought forward	\$37,211 08
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Amount brought forward	\$37,211 08
Less assessments 18,114 68	
	<hr/>
Partial cost of constructing Harding street . . .	\$19,096 40
Partial cost of constructing Ward street . . .	85 00
Advertising and recording deed of Sacramento street, (not constructed.)	82 00
Thomas Groom & Co., books	15 85
Somerville Journal Co., printing specifications . . .	10 00
Profit and loss on material	36 00
	174 00
	<hr/>
	\$19,499 25

Balance unexpended \$1 75

Highways Construction, Macadam Pavement.

CREDIT.

Appropriation	\$30,000 00
Transfer from Highways Maintenance . . .	1,800 00
Transfer from Street Cleaning	1,000 00
Transfer from Sidewalk Construction . . .	300 00
Transfer from Refuse Disposal	200 00
	<hr/>
	\$33,300 00

Receipts:—

Mary T. Carney, part cost constructing sidewalk, Orchard street	\$28 00
Frank O. and Fred H. Squire and John P. Wyman, constructing sidewalk, Orchard street	49 35
Highway's New Streets crushed stone . . .	426 88
Profit and loss on Materials	368 16
	<hr/>
	\$ 873 39

Total credit \$34,173 39

DEBIT.

Expenditures:—

For construction of streets as per table B at end of this report	\$32,729 85
Construction of Middlesex avenue, first payment on account	\$1,088 00
	<hr/>

Total debit \$33,817 85

Balance unexpended \$355 54

Highways Construction, Permanent Pavement.

CREDIT.

Appropriation	\$50,000 00
Transfer from Highways Construction New Streets	5,700 00
Transfer from Highways Construction, balance of 1913	246 78
Transfer from Highways, Shade Trees . . .	3 97
Transfer from Sewers Construction	400 00
	<hr/>
	\$56,350 75

Receipts and Credits:—

From William Pease, part cost constructing sidewalk, Elm street	\$38 25
	<hr/>

Amount carried forward , , , , , \$56,389 00

Amount brought forward	\$56,389 00
From Henry C. Rand, constructing sidewalk, Elm street	100 00
From Heirs of Joseph H. Clark, constructing sidewalk, Prospect street	36 25
	<hr/>
	\$56,525 25
Value of Materials on hand January 1, 1914	235 45
Profit and Loss on Materials	311 35
	<hr/>
Total credit	\$57,072 05

DEBIT.

Expenditures:—

For construction of streets as appears in table C at end of this report	\$56,149 74
Value of material on hand December 31, 1914	624 67
	<hr/>
	\$56,774 41
	<hr/>
Balance unexpended	\$297 64

Highways, Street Sprinkling.

CREDIT.

Appropriation	\$28,000 00
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DEBIT.

Expenditures:—

Teaming, street sprinkling	\$5,239 64
Oiling streets	20,120 54
Tarviating streets	1,375 94
Painting carts	336 25
Repairing carts and truck	628 15
Maintenance of water posts	206 84
Clerical work	117 35
Books	19 00
	<hr/>
Total debit	\$28,043 71
	<hr/>
Amount overdrawn	\$43 71

Sidewalks Construction.

CREDIT.

Appropriation	\$20,000 00
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Receipts and Credits:—

Joseph Cohen, constructing sidewalk, Broadway in 1913	\$254 58
James Doherty, constructing sidewalk, Crescent street in 1913	5 57
Sarah Knight, constructing sidewalk, Crescent street in 1913	22 19
Mary Robinson, constructing sidewalk, Crescent street in 1913	9 05
John Scanlon, constructing sidewalk, Crescent street in 1913	9 61
Boston & Maine Railroad, constructing sundry sidewalks previous to 1914	341 12
	<hr/>

Amounts carried forward	\$642 12	\$20,000 00
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STREET COMMISSIONER.

421

Amounts brought forward	\$642 12	\$20,000 00
Sears B. Condit, constructing side- walks, Cross and Alston streets	110 41	
Knights of Columbus, constructing sidewalks, Central street and Highland avenue	159 60	
Public Property, cement bill of 1913 paid in 1914	1 87	
Value of Material on hand January 1, 1914	5 18	
Profit and Loss on Materials	115 40	
Total credit		\$21,034 58

DEBIT.

Expenditures:—

For sixty-six sidewalks constructed as per table C at end of this report	\$40,032 56	
Total assessments	\$19,763 54	
Less assessments charged to City of Somerville	183 99	
	<u>\$19,579 55</u>	
		\$20,453 01
Knights of Columbus, constructing granolithic sidewalk in front of Estate, Highland avenue and Central street		\$319 20
Sears B. Condit, constructing granolithic sidewalk in front of Estate, Cross street and Alston street		110 41
Tools		7 59
Books		43 86
Value of materials on hand this day		11 48
		<u>\$20,945 55</u>
Balance unexpended		<u>\$89 03</u>

Sidewalks Maintenance.

CREDIT.

Appropriation	\$4,000 00	
Material on hand January 1, 1914	56 28	
Receipts for bricks and cement	13 08	
	<u>\$4,069 36</u>	
Transfer from Highways Maintenance ac- count	200 00	
Total credit		\$4,269 36

DEBIT.

General Repairs on Sidewalks.

Labor, repairing sidewalks	\$334 22	
Use of city teams	99 40	
Bricks	89 20	
Cement	5 43	
Gravel	14 88	
Sand	1 30	
Amount carried forward	<u>\$544 43</u>	

Amount brought forward	\$544 43
Crushed stone	6 60
Ashes	25
Kerosene	90

\$552 18

Special Repairs of Sidewalks.

Repairing sidewalks, Adams street Nos. 42, 54, 60	\$70 14
Repairing and setting edgestones, Adams street, Nos. 53 to 65	78 81
Repairing brick sidewalk, Summer street and Grove street	62 27
Repairing sidewalk for Edison Elec- tric Illuminating Co.	71 08
Cutting down sidewalk, North street between Broadway and Powder House Boulevard	268 01
Repairing sidewalk, Ossipee road	22 19

\$592 18

Repairing granolithic sidewalks	375 04
Repairing brick sidewalks	1,224 99
Repairing gravel sidewalks	1,548 34
Thomas Groom & Co., books	6 75

Total debit	\$4,299 48
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Amount overdrawn	\$30 12
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Highways, Street Cleaning.

CREDIT.

Appropriation	\$22,000 00
Transfer from Highways Maintenance	1,200 00

\$23,200 00

Less transfer to Highways Construction, Macadam Pavement	1,000 00
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Total credit	\$22,200 00
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DEBIT.

Expenditures:—

Labor	\$18,820 51
Use of city teams	3,267 28
Push brooms	88 29
Refilling brooms	60 00
Repairs of sweeping machine	11 81
Barrel	3 25

Total debit	\$22,251 14
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Amount overdrawn	\$51 14
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Highways, Care of Trees.

CREDIT.

Appropriation	\$2,500 00
Transfer from Highways Maintenance	200 00
Transfer from Contingent Fund	500 00

Total credit	\$32,000 00
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Amount brought forward \$32,000 00

DEBIT.

Expenditures:—

Removing trees	\$1,281 18
Trimming trees	1,375 96
Setting trees	444 75
Gasoline	11 90
Printing notices	27 50

Total debit \$3,141 29

Balance unexpended \$58 71

Gypsy and Brown Tail Moth Extermination.

CREDIT.

Appropriation \$2,000 00

Receipt:—

From Highways, care of trees for labor	133 73
--	--------

Total credit \$2,133 73

DEBIT.

Expenditures:—

For labor on highway trees	\$961 49
Labor on private trees	1,153 59
Poles (12)	13 50
Pruner springs	1 65
Brushes (12)	3 00
Screw eyes	50

Total debit \$2,133 73

Elm Leaf Beetle Extermination.

CREDIT.

Appropriation \$700 00

DEBIT.

Expenditures:—

For labor	\$322 65
Use of city teams	93 80
Arsenate of lead	250 00
Spray pipe	7 50
Cycle oil	8 65
Gasoline	6 30
Printing warning cards	4 00

Total debit \$692 90

Balance unexpended \$7 10

Refuse Disposal

CREDIT.

Appropriation	\$86,200 00
Transfer from Contingent Fund	7,000 00

\$93,200 00

Less transfer to High. Const. Mac. Pav. 200 00

Total credit \$93,000 00

	DEBIT.	
Amount brought forward	\$93,000 00	
Collecting refuse	\$51,495 63	
Collecting garbage	25,134 80	
Stable expenses	2,999 33	
Carts, wagons, and repairing same	533 91	
Harnesses and horse clothing	547 46	
Tools	135 54	
Horse shoeing	831 51	
Hay and straw	4,043 04	
Grain and feed	2,935 57	
Horses	200 00	
Incidentals, including Tobin settlement	2,154 48	
Books	49 19	
Rent of dump	900 00	
Laborers paid for holidays	777 51	
Horse medicine and doctoring	109 52	
Automobile repairs	13 24	
Care of highway property	58 87	
Total debit		\$92,924 60
Balance unexpended		\$75 40

Length of Accepted Streets in Each Ward.

	Miles.
Ward 1	9.745
" 2	9.135
" 3	7.587
" 4	9.797
" 5	12.100
" 6	13.334
" 7	18.537

Total length of accepted streets in the city . . . 80.235

TABLE A.
Streets Constructed in 1914.

STREET.	FROM	TO	MATERIAL.	LENGTH IN FEET.	COST.
Acadia park . . .	Somerville avenue . . .	Northerly . . .	Macadam and tarvia . .	256	\$1,164 28
Boston avenue . . .	Frederick avenue . . .	Morrison avenue. . .	Macadam and tarvia . .	649	3,587 88
Clark street . . .	Newton street . . .	Lincoln Parkway . . .	Macadam and tarvia . .	552	2,604 92
Fisk avenue . . .	Lowell street . . .	Hinckley street . . .	Macadam and tarvia . .	484	1,623 52
Frederick avenue . . .	Willow avenue . . .	Boston avenue . . .	Macadam and tarvia . .	1,175	4,164 83
Harold street . . .	Dimick street . . .	Marion street . . .	Macadam and tarvia . .	316	1,761 19
Henderson street . . .	Richardson street . . .	Boston & Maine R. R. .	Macadam and tarvia . .	569	1,795 70
Landers street . . .	School street . . .	Westerly . . .	Macadam and tarvia . .	228	1,044 10
Ossipee road . . .	Packard avenue . . .	Mason street . . .	Macadam and tarvia . .	694	3,001 89
Rhode Island avenue . . .	Pennsylvania avenue . . .	Mystic avenue . . .	Macadam and tarvia . .	460	2,197 52
Russell road . . .	Broadway . . .	Hamilton road . . .	Macadam and tarvia . .	559	2,472 52
St. James avenue . . .	Summer street . . .	Northerly . . .	Macadam and tarvia . .	125	513 37
Sunnyside avenue . . .	Walnut street . . .	Wigglesworth street . .	Macadam and tarvia . .	306	781 73
Taylor street . . .	Sydney street . . .	Mystic avenue . . .	Macadam and tarvia . .	309	1,699 77
Walnut road . . .	Walnut street . . .	Kenneson road . . .	Macadam and tarvia . .	270	1,285 55
Waterhouse street . . .	Broadway . . .	Cambridge line . . .	Macadam and tarvia . .	987	4,354 50
Wisconsin avenue . . .	Broadway . . .	Pennsylvania avenue . .	Macadam and tarvia . .	499	1,886 22
Woodstock street . . .	Victoria street . . .	Alewite Brook . . .	Macadam and tarvia . .	335	1,271 59
Length in feet, and cost . . .				8,773	\$37,211 08

TABLE B.
Streets Macadamized in 1914.

STREET.	FROM	TO	MATERIAL.	FEET.	COST.
Albion street . . .	Lowell street . . .	Centre street . . .	Macadam and tarvia . . .	700	\$1,459.02
Ashland street . . .	Summer street . . .	Sartwell avenue . . .	Macadam and tarvia . . .	478	647.67
Beacon street (gutters) . . .	Park street . . .	Washington street . . .	Macadam and tarvia . . .	866	3,931.16
Billingham street . . .	Kenwood street . . .	Willow avenue . . .	Macadam and tarvia . . .	...	79.14
Boston avenue (gutters) . . .	Frederick avenue . . .	Morrison avenue . . .	Crushed stone . . .	...	426.88
Clarendon avenue . . .	Broadway . . .	Cambridge line . . .	Macadam and tarvia . . .	...	806.33
Dane avenue . . .	Dane street . . .	Leland street . . .	Macadam and tarvia . . .	569	1,495.82
Florence street . . .	Perkins street . . .	Pearl street . . .	Macadam and tarvia . . .	420	900.45
Hall street . . .	Cedar street . . .	Cherry street . . .	Macadam and tarvia . . .	456	1,188.86
Liberty ave., S'ly side . . .	Hall avenue . . .	Broadway . . .	Macadam and tarvia . . .	1,395	2,674.93
Main street . . .	Medford line . . .	Broadway . . .	Macadam and tarvia . . .	966	1,358.66
Myrtle street (gutters) . . .	Perkins street . . .	Pearl street . . .	Macadam and tarvia . . .	420	894.85
Newbury street . . .	Westerly side portion already laid . . .	Cambridge line . . .	Macadam and tarvia . . .	...	62.99
Orchard street . . .	Cambridge line . . .	Meacham road . . .	Macadam and tarvia . . .	1,567	4,527.34
Poplar street . . .	Joy street . . .	Somerville avenue . . .	Macadam and tarvia . . .	666	1,199.81
Putnam street . . .	Highland avenue . . .	Summer street . . .	Macadam and tarvia . . .	1,262	1,763.42
School street . . .	Somerville avenue . . .	Berkeley street . . .	Macadam and tarvia . . .	1,420	2,899.97
Tremont street . . .	Webster avenue . . .	Southwesterly . . .	Macadam and tarvia (concrete base) . . .	589	1,533.00
Willow avenue . . .	Highland avenue . . .	Morrison avenue . . .	Macadam and tarvia . . .	610	5,479.55
Length in feet, and cost				12,384	\$32,729.85

TABLE C.
Highways Construction Permanent Pavement.

STREET	FROM	TO	MATERIAL	FEET	COST
Broadway	Hinckley street . .	Near railroad bridge .	Concrete base bituminous top	2,796	\$9,289.64
Broadway	Teele square	Near Arlington line .	Concrete base bituminous top	1,550	5,631.99
Broadway	Willow avenue . . .	Powder House square .	Concrete base bituminous top	963	4,487.01
Columbia street . . .	Webster avenue . . .	Boynton's freight yd. .	Concrete base granite block	285.5	2,389.95
Cutter square . . . .	.....	.....	Concrete base vitrified brick	444	5,240.92
Elm street (w'ly side) .	Oak square	Cutter square	Concrete base bituminous top	3,537	9,548.38
Harding street	Ward street	Cambridge line	Concrete base granite blocks	368.5	3,052.20
Prospect street	Washington street . .	near Fitchburg railr'd .	Concrete base bituminous top	577	3,513.95
Springfield street . .	Concord avenue . . .	Cambridge line	Concrete base vitrified brick	796	4,253.08
Ward street	Medford street . . .	Emery street	Concrete base granite blocks	438.2	3,742.02
Willow avenue	Elm street	Highland avenue . . .	Concrete base bituminous top	1,085	5,000.60
Length in feet and cost				12,849.2	\$56,149.74

TABLE D.
Streets Repaired.

STREET	FROM	TO	DESCRIPTION OF WORK.	FEET	COST
Boston avenue . . .	Medford line . . .	Angle point . . .	Macadam and tarvia	915	\$545.93
Cedar Street . . .	Broadway . . .	Highland avenue . . .	Old macadam . . .	2,400	126.02
Columbia street . . .	Angle . . .	Cambridge line . . .	Old maca. and tarvia	536	613.56
College avenue . . .	Powder House square	Medford line . . .	Old maca. and tarvia	1,670	191.31
Concord square and } Concord avenue	. . . . .	. . . . .	Old macadam . . .	420	94.98
Middlesex avenue . . .	. . . . .	. . . . .	Old macadam . . .	. . . .	55.07
Morrison avenue . . .	Willow avenue . . .	Cedar street . . .	Old maca. and tarvia	1,362	791.16
Quincy street . . .	Somerville avenue . . .	Summer street . . .	Old maca. and tarvia B	781	56.64
Summer street . . .	Cutter square . . .	Porter street . . .	Old macadam . . .	2,945	213.57
Warner street . . .	Powder House square	Medford line . . .	Old maca. and tarvia	500	568.63
Length in feet and cost				11,529	\$3,256.87

TABLE E.
Sidewalks Constructed Where the Materials Were Furnished by the City and One-half the Cost Was Assessed Upon the Abutting Estates.

STREET.	SIDE.	FROM	TO	FEET OF EDGE STONE.	YARDS OF BRICK.	YARDS OF GRANOLITHIC.	COST.
Aldrich street .	Southeasterly	Pearl street .	Flint street .	....	....	151.7	\$204 73
Albion street .	Northeasterly	Central street .	Centre street .	....	....	545.	724 85
Ashland street .	Northwesterly	Summer street .	Sartwell avenue	....	....	236.7	393 52
Atherton street .	Northeasterly	In front of Girls'	Vocational School	....	....	54.5	205 72
Bartlett street .	Easterly	Ames street .	Vernon street .	....	....	232.5	344 88
Belmont street .	Northerly and Westerly	Summer street .	Somerville avenue (where not laid)	....	....	1,830.6	2,513 13
Billingham street .	Easterly	Kenwood street.	William street .	145.3	....	272.5	545 50
Boston avenue .	Both	Morrison avenue	Northeasterly to and including Estates Nos. 19 and 20.	....	....	396.4	539 51
Broadway .	Northeasterly	In front of Estates	Nos. 253 to 257 inc.	....	42.5	....	52 75
Broadway .	Northerly	Williams street .	Alfred street .	....	....	408.	625 23
Broadway .	Northeasterly	Austin street .	Cross street east	....	....	1,230.	1,876 05
Broadway .	Northerly	Packard avenue	Westminster street	....	....	489.9	651 57
Broadway .	Southwesterly	Teale square .	City ledge .	..	....	477.5	691 14
Broadway .	Southwesterly	In front of Estate No.	1156 Clarendon ave.	....	....	120.8	224 20
Broadway .	Southwesterly	In front of Estate	No. 382 .	....	6.1	....	11 13
Buckingham street .	Both	Beacon street .	Dimick street .	....	....	392.	539 16
Cameron avenue .	Westerly	Mead street .	Malvern avenue	....	....	145.4	257 44
Cedar street .	Southeasterly	Hudson street .	Alpine street .	....	....	243.6	388 37
Conwell avenue	Southwesterly Northeasterly	Curtis street } Curtis street }	North street includ- ing Estate No. 83 .	....	....	1,413.4	2,145 95
			Carried forward .	145.30	48.6	8,640.5	\$12,934 83

TABLE E.—Continued.

STREET.	SIDE.	FROM	TO	FEET OF EDGESTONE.	YARDS OF BRICK.	YARDS OF GRANOLITHIC.	COST.
Clarendon avenue .	Easterly . Westerly .	Broadway . Broadway .	Brought forward . Cambridge line .	145.30 1,701.2	48.6	8,6405 1,030.	\$12,934 83 3,327.82
Cutter avenue .	Both .	Estate No. 69 . Highland avenue .	Cambridge line . Cutter square .	.... ....	... ....	569.5 212.3	773.81 342.54
Conwell street .	Northwesterly .	Highland avenue .	End of street (where not laid) .	....	....	212.7	282.89
Curtis street .	Southerly .	Electric avenue .	Teenie square .	....	....	560.8	1,866.64
Dane avenue .	Both .	Dane street .	Leland street .	1,063.4	....	607.6	850.41
Delaware street .	Both .	Aldrich street .	Pearl street .	....	....	56.7	77.37
Dearborn road .	Both .	In front of Estate .	No. 32 .	....	....	1,188.8	1,648.77
Elmwood street .	Both .	Holland street .	Cambridge line .	....	....	831.1	1,106.69
Fairmount avenue .	Both .	Curtis street .	N'wly entire length (where not laid) .	....	....	308.3	410.04
Fenwick street .	Both .	Heath street .	Broadway .	....	....	656.	890.98
Fremont street .	Both .	Meacham street .	Steps .	....	....	222.3	809.20
Hall street .	Northeasterly .	Cedar street .	Cherry Street .	419.8	....	231.8	352.91
Harold street .	Southeasterly .	Dimick street .	Marion street (where not laid) .	....	....	147.6	252.97
Holland street .	Easterly .	Teel square .	Holland street ledge .	....	....	196.8	286.29
Holland street .	Easterly .	Irving street .	Simpson avenue .	....	....	719.8	985 09
Houghton street .	Both .	Springfield street .	Cambridge line .	....	....	1,049.2	1,411.31
Ibbetson street .	Both .	Lowell street .	Somerville avenue .	....	....	191.5	254.70
Jaspar street .	Westerly .	Pearl street .	Gilman street .	....	....
			Carried forward .	3,329.7	48.6	17,633.3	\$28,864 76

TABLE E.—Continued.

STREET.	SIDE.	FROM	TO	FEET OF EDGESTONE.	YARDS OF BRICK.	YARDS OF GRANOLITHIC.	COST.
Joy street .	Westerly	Holland street .	Brought forward .	3,329.7	48.6	17,633.3	\$28,864.76
Landers street .	Both	School street .	Howard street .	...	...	378.3	504.47
Lowell street .	Southeasterly	Highland avenue	Westerly .	...	...	307.8	410.79
Main street .	Westerly	In front of Estate	Albion street .	...	...	265.	369.18
Mallet street .	Northerly	In front of Estate	No. 33 .	...	...	45.1	70.53
Medford street and Chester avenue	.	In front of Estate	No. 29 Lowden avenue	...	...	67.	113.15
Moreland street .	Westerly	In front of Estate	Sears B. Condit .	...	...	22.5	50.99
Newbury street .	Northwesterly	Main street .	Mystic avenue .	...	...	894.	1,216.78
Newton street .	Southerly	Sidewalk already laid	Cambridge line .	129.8	...	88.	264.84
Norfolk street .	Both	In front of Estate	Of A. G. Rogers .	...	70.8	...	94.60
Orchard street .	Northeasterly	Webster avenue	Cambridge line .	...	...	364.5	575.81
Ossipee road .	Both	Adjoining estate	No. 19 Dover street	...	24.	...	50.87
Orchard street .	Northeasterly	Packard avenue	Mason street (where not laid)	...	...	438.7	626.98
Paulina street .	Both	Chester street .	Meacham road .	...	293.4	...	352.19
Porter street .	Northwesterly	Broadway .	Holland street .	...	...	1,003.3	1,386.85
Rhode Island ave.	Both	In front of Estate	Nos. 64 to 70 inc.,	...	...	113.	172.22
School street .	Northwesterly	Pennsylvania ave.	Mystic avenue (com- pleted)	...	...	44.3	114.64
Somerville avenue and Elm street .	Easterly	Preston road .	Landers street .	194.	...	130.7	428.07
		Craigie street .	Porter street .	...	...	351.2	467.10
			Carried forward .	3,653.5	436.8	22,146.7	\$39,134.73

TABLE E.—Concluded.

STREET.	SIDE.	FROM.	TO	FEET OF EDGESTONE.	YARDS OF BRICK.	YARDS OF GRANOLITHIC	COST.
St. James avenue .	Both . . .	Summer street .	Brought forward .	3,653.5	436.8	22,146.7	\$36,134.73
Sunnyside avenue .	Both . . .	Walnut street .	Northeasterly (where not laid) .	....	....	123.	163.59
Sycamore street .	Northwesterly .	Central street .	Wigglesworth street .	....	....	298.5	396.98
Tremont street .	Both . . .	Webster avenue .	(where not laid) .	....	....	168.7	285.67
Taylor street .	Both . . .	Mystic avenue .	Land of Boston & Maine Railroad ,	....	....	753.	1,068.56
Washington street .	. . .	In front of Estate	Cambridge line .	....	....	417.6	554.80
Washington street and Hanson street	. . .	In front of Estate	Sydney street .	....	....	45.5	60.52
Walnut street .	Westerly .	Highland avenue	Nos. 405-407 .	....	....	170.9	227.30
Walnut road .	Northeasterly .	In front of Estate	Michael H. Dewire	....	....	185.8	300.00
Winter street .	Both . . .	Holland street .	Medford street .	....	....	53.2	70.76
Wisconsin avenue .	Both . . .	Broadway . . .	Of Hazen . . .	....	....	385.5	520.65
			College avenue (com- pleted) .	....	....	125.1	249.00
			Pennsylvania avenue	....	....
			Total . . .	3,653.5	436.8	24,873.5	\$40,032.56

TABLE F.
Driveways Constructed at Expense of Abutters.

FOR	LOCATION.
Charles M. Bixby . . . . .	. . . . . 72 Elm street
Harriet G. Bucknam . . . . .	. . . . . 319 Highland avenue
William F. Bennett . . . . .	. 267 and 269 Somerville avenue
Brown and Symonds Co. . . . .	. . . . . Wheatland street
Albert G. Deveau . . . . .	. . . . . Leslie avenue
Michael H. Dewire . . . . .	. . . . . Hanson street
Michael H. Dewire . . . . .	. . . . . Washington street
John C. Driscoll . . . . .	. . . . . 25 Arthur street
Walter A. Dow . . . . .	. . . . . 3 Fairmount avenue
Della M. Emerson . . . . .	. . . . . 12 Edmonds street
Percy L. Elswick . . . . .	. . . . . 1102 Broadway
Henry T. Grady . . . . .	. . . . . 25 Arlington street
Hercule J. Giroux . . . . .	. . . . . 12 Lincoln street
Nettie M. Gould . . . . .	. . . . . 2 Windsor road
Jim Hodder . . . . .	. . . . . Union square
Leander D. Junkins . . . . .	. . . . . 5 Billingham street
Thomas H. Kingman . . . . .	. . . . . 36 Liberty avenue
Stephen H. Lewis . . . . .	. 24 and 26 Fosket street
Charles A. Landers . . . . .	. . . . . 20 Cambria street
Angus McLeod . . . . .	. . . . . 72 Electric avenue
Herman Meyer . . . . .	. . . . . 2 Thorpe street
S. Preston Moses . . . . .	. . . . . 17 Westwood road
Alice J. Nickerson . . . . .	. . . . . 240 Broadway
Herbert G. Phelps . . . . .	. . . . . 42 Flint street
Helen V. Pratt . . . . .	. . . . . 6 Chester avenue
Arthur D. Raymond . . . . .	. . Lowell and Albion street
Alvin B. Roundy . . . . .	. . . . . 36 Conwell avenue
Sarah E. Smith . . . . .	. . . . . 21 Paulina street
Ernest F. Snow . . . . .	. . . . . 39 Pearson road
W. A. Sinclair, M. D. . . . .	. . . . . Delaware street
Fred A. Sleeper . . . . .	. . . . . 10 Winter street
Harry W. Temple . . . . .	. . . . . 44 Fosket street
Sarah F. Teague . . . . .	. . . . . 5 Pearson road
Carl A. Weitz . . . . .	. . . . . Water street
William F. Wood . . . . .	. 47 and 49 Morrison avenue
Dana F. Ward . . . . .	. . . . . 23 Summit avenue
A. M. Warren . . . . .	. . . . . 9 Pearson road
James B. Worcester . . . . .	. . . . . 24 Brastow avenue

TABLE G.
Driveways Discontinued at Expense of Abutters.

FOR	LOCATION
Leonard B. Chandler	Broadway
Harriet C. Chase	70 Park street
Joseph O. Hobbs	Dover street
Jim Hodder	Union square

TABLE H.
Driveway Extended at Expense of Abutter.

FOR	LOCATION
Arthur N. Park	161 Broadway

TABLE I.
Streets Accepted by the Board of Aldermen in 1914.

STREET.	FROM	TO	WIDTH IN FEET.	LENGTH IN FEET.	ACCEPTED.
Bristol road	.	Medford street	40	146	December 30
Gibbens street	.	Westerly	40	133	December 30
Harding street	.	Cambridge line	30	395	July 10
Horace street	.	South street	30	222	December 30
Sacramento street	.	Cambridge line	40	154	July 10
Stone place	.	Southeasterly	30	142	December 30
Walker street	.	Leonard street	40	713	December 30
Ward street	.	Harding street	30	433	July 10
		Length in feet		2,338	

TABLE K.**Street Opening.**

Broadway at Dexter street.

Conwell street at College Hill Road.

TABLE J.**Street Crossings Laid.**

Kingston street across same at Meacham road.

Linwood street across same at Congress place.

REPORT OF COMMISSIONER OF PUBLIC BUILDINGS.

OFFICE OF COMMISSIONER OF PUBLIC BUILDINGS, }
CITY HALL, SOMERVILLE, January 1, 1915. }

To the Honorable, the Mayor, and the Board of Aldermen of
the City of Somerville:—

Gentlemen,—In accordance with the provisions of the City Charter, I submit herewith the annual report of the public buildings department for the year ending December 31, 1914.

The total valuation of the public property which is in the custody of the public buildings department is \$2,358,414.

The total expenditure for the year 1914 for the care and maintenance of this property was \$137,269.00.

This amount was expended as follows:—

Janitor service	\$39,723 48
Fuel	38,016 51
Light	14,905 67
Telephone	711 13
Care and repairs	43,145 21
Pensions	767 00

Inspection of Buildings.

The Commissioner of Public Buildings is also the inspector of buildings according to the terms of the charter, and as such during the past year has made 1,620 formal inspections of buildings in the process of construction.

The following table shows the number of permits issued for building operations during the year 1914:—

Buildings.	WARDS.							Totals.
	1	2	3	4	5	6	7	
Dwellings	88	15	11	16	26	17	144	317
Stores		7	4	2	1	2	5	21
Dwellings & Stores	1	2			1			4
Stables	1	1	1		1			4
Shops	3	1	2			1		7
Manufactories	2	3	1	1		2	3	12
Garages	8	2	5	7	5	4	20	51
Offices	2	1		2	1	1		7
Storage	4	5	1	2		2	3	17
Foundations	1	1						2
Miscellaneous			1			1	2	4
Totals	110	38	26	30	35	30	177	446

	WARDS.							Totals.
	1	2	3	4	5	6	7	
Brick buildings	1	7	4	2	1	1	6	22
Cement buildings	4		3	6	2	2	11	28
Concrete buildings	2			1		2	9	14
Iron buildings	1				1			2
Wood and Brick buildings .							1	1
Wood and Concrete buildings	1							1
Wood and Iron buildings .	2		1	2				5
Brick and Concrete buildings	1					1	1	3
Concrete and Iron buildings		1						1
Totals	12	8	8	11	4	6	28	77

	Wood	Fire Resisting	Total
New buildings	265	69	334
Alterations	104	8	112
Totals	369	77	446

The number of plumbing permits issued during the year was . . . 408
 Permits for plumbing in new buildings 243
 Permits for plumbing in old buildings 160
 Number of buildings in which soil pipes were tested 360

The total number of permits issued during the year 1914, viz., 446 was seventeen more than during the year 1913, when 429 permits for new buildings and alterations were issued. The total cost of the new buildings and alterations during the year 1914 was \$1,574,067, while the cost in 1913 was \$1,952,179, showing a decrease of \$378,112.

The Commissioner of Public Buildings has under his charge and direction the work of maintenance and keeping in repair all of the public buildings of the city and the grounds in connection therewith, the direction of all janitors in the city's employ, the inspection of all new building construction, the inspection of the installation and care of all elevators, the supervision of the construction of all new municipal buildings, the maintenance of the public bathing beach and the public municipal baths in the Bennett School and Lincoln Park

These various activities in connection with the department work require a vast amount of time and attention in order to at least keep the property in proper condition for occupancy.

School Buildings.

The most time and attention is required in connection with the school buildings of the city which necessarily are receiving all of the time a continual wear and tear.

Our school buildings during the year 1914 have received careful attention especially as regards the matters of lighting, interior decorating, yard improvements, new furnishings, fire exits, and sanitary improvements.

It is impossible in any one year to do all of the various repairs requiring attention, but if we proceed on a systematic basis to make yearly improvements, especially in the older buildings, we will soon have the property in first-class condition.

Interior painting of walls and ceilings was done in the Baxter, Bingham, Burns, Boys' Vocational, Edgerly, Forster, Highland and High Schools during the year and has greatly improved the appearance of these buildings.

Additional windows were installed in the Edgerly and Morse School buildings which have improved the lighting facilities of the classrooms which have never before had sufficient light to properly safeguard the pupils against strain and discomfort of their eyes.

It is proposed by this department to continue the work of interior decorating during the year 1915 so far as possible, and to give especial attention to much outside work needed such as painting, roofing, repairs and yard improvements.

The public bathing at the Bennett School and the Lincoln Park has been taken advantage of by a great many people during the year and has filled a need which has existed for a long time in these two locations. I believe that an extension of the public bathing plants to other sections of the city would be greatly appreciated by the citizens and would be a good investment for the city.

Fire Department Buildings.

The continual increase of the permanent force of the fire department has made it necessary to make many changes in the various buildings provided for their occupancy. At the building in Union Square a dormitory was constructed to provide more bed accommodations for the men. This was done by removing the partitions separating the rooms and making one large room for sleeping purposes.

The labor for making these changes was all performed by the men stationed at this house under the direction of Captain Coneeny, and was performed well. Too much credit cannot be given to Captain Coneeny and his men for the interest and eagerness which they showed in this improvement.

Similar conditions were improved upon at the house of Engine 6 in Teele Square. Here also the men performed all of the labor under Captain Cribby's direction and are deserving of much credit for their hard work and efforts.

I desire to express my appreciation to both Captain Coneeny and Captain Cribby, and the men in both of their respective buildings for assisting me in this work.

The introduction of motor apparatus has made it necessary to provide fireproof material for the apparatus room floors in these houses where motors are located. During the year the floor of the Central Fire Station has been reconstructed of concrete. More work of this nature will be necessary as the motors increase and must be done as fast as possible.

The increase of permanent men has also made it necessary to provide additional toilet and lavatory accommodations. I hope that funds will be provided during the coming year so that some at least of this work may be performed.

In general the conditions of the fire buildings are very satisfactory.

Municipal Buildings.

The work of remodelling the City Hall Annex for the occupancy of the departments assigned to that building was completed and the School, Overseers of Poor and Sealer of Weights and Measures departments were moved into their new quarters and are very comfortably and conveniently located.

This building provides an excellent Annex to the City Hall and brings the departments nearer the executive center, which is a great convenience to all concerned.

Both of the municipal buildings are now very comfortably equipped and all of the departments well provided for.

Public Library.

In the Central Library and the various branches no particular construction work has been required during the year, but it will be necessary soon to decorate the interior of the Central Library and provide additional room for the various branches. Some of this work will be performed during the coming year.

Incinerator Building.

A second story addition was constructed at the Incinerator Building to better provide for the work of caring for the refuse material collected by the Sanitary Division of the Highway Department. This improvement has permitted the introduction of modern apparatus and machinery for the equipment of this plant and has greatly facilitated its operation.

City Home.

All of the City Home buildings were renovated outside during the year and now present a very creditable appearance and correspond well with the beautiful grounds which Mr. Colquhoun, the superintendent, so carefully and successfully maintains.

A much needed improvement was also made in the construction of a new home for the superintendent's office and reception room for the visitors and inmates.

The City Home buildings are now in first-class condition.

Contagious Hospital.

At the Contagious Hospital an exit stairway was constructed on the outside from the third floor ward which tends to safeguard the patients on that floor in the future against danger in case of fire.

I hope that during the coming year it will be possible to renovate the exterior of the hospital buildings to harmonize with the fine appearance of the City Home buildings.

Bathing Beach.

The public bathing beach has continued to prove very popular with the citizens who patronize this recreation ground so liberally. No enlargement was made but improvements such as additional sand and general repairs were made which greatly helped in the comfort to the patrons.

In General.

In addition to the special work as described a large amount of routine work has been performed which cannot be especially mentioned and it is necessary at all times to carefully consider all requisitions which are received in order to select the most important for execution inasmuch as it is impossible to do everything that is requested from the various departments.

I feel, however, that fairly satisfactory results have been obtained during the year and that the city has received full value for all expenditures made in the various department activities.

Respectfully submitted,
WALTER T. LITTLEFIELD,
Commissioner of Public Buildings.

MAINTENANCE PUBLIC BUILDINGS

	Fuel	Light	Janitors	Care	Telephone	Pensions	Total
School Buildings	\$27,471.05	\$7,148.53	\$30,779.17	\$29,685.89	711.13	\$507.00	\$96,302.77
Fire Buildings	4,161.71	1,873.45	.....	2,245.46	.....	.....	8,280.62
Highway Buildings	180.45	190.10	.....	283.96	.....	.....	654.51
City Home Buildings	999.62	261.34	.....	1,945.21	.....	.....	3,206.14
Hospital Buildings (Contagious)	1,223.15	1,089.25	132.50	731.42	.....	.....	.....
(Tuberculosis)	345.28	306.14	132.50	1.85	.....	.....	.....
Central Library	804.52	1,192.35	1,521.99	674.36	.....	.....	3,961.09
West Somerville Branch Library	349.19	335.56	750.00	27.81	.....	.....	4,193.22
East Somerville Branch Library	76.17	48.00	260.00	228.36	.....	.....	1,458.56
Union Square Branch Library .	20.63	77.00	526.00	56.47	.....	.....	612.53
Municipal Buildings (City Hall)	477.80	666.92	2,011.44	1,305.66	.....	.....	980.10
(City Hall Annex)	393.03	369.67	898.50	2,108.52	.....	260.00	.....
(Miscellaneous)	.....	.....	.....	31.20	.....	.....	.....
Police Buildings	629.62	562.62	1,292.37	328.00	.....	.....	8,522.74
Polling Places . . . . .	.....	.....	.....	857.09	.....	.....	2,812.61
Park Buildings	102.30	144.35	60.00	630.39	.....	.....	857.09
Refuse Buildings	126.45	318.01	.....	608.83	.....	.....	937.04
Sewer Buildings	39.90	.....	.....	28.05	.....	.....	1,053.32
Water Buildings	319.04	323.38	.....	137.06	.....	.....	67.95
Bathhouse . . . . .	.....	.....	1,359.01	1,068.64	.....	.....	780.08
Sterilizing	.....	.....	.....	Suites 160.95	.....	.....	2,538.60
Totals	\$38,016.51	\$14,905.67	\$39,723.48	\$43,145.21	\$711.13	\$767.00	\$137,269.00

REPORT OF THE COMMISSIONER OF ELECTRIC LINES AND LIGHTS.

OFFICE OF COMMISSIONER OF ELECTRIC LINES AND LIGHTS }
January 1, 1915. }

To the Honorable, the Mayor, and the Board of Aldermen
of the City of Somerville.

Gentlemen,—I most respectfully submit my sixth annual
report as commissioner of electric lines and lights for the year
ending December 31, 1914.

Inspection of Wiring in Buildings.

The number of inspections of electrical work has increased greatly during the last year as the use of electric lights and power has become more general.

This means a great amount of additional work for the inspector.

The work of the electrical inspector is most important and the preventive measures instituted by inspection departments are as necessary and important in their results as those of the sanitary departments, health inspection departments and other organizations having to do with the health and lives of the community.

One of the difficulties of realizing the value of the inspection department is because the work does not show.

Only those persons having occasion to call on the inspector are familiar with the amount of time and work needed to insure safe installations of electrical wiring.

In inspecting club houses, hotels, churches, theatres and other places where large crowds of people gather from time to time, it is highly important that inspection work be well done and the public does not know, as a general thing, that very often the detection of a fire hazard has saved a number of lives.

Prevention of fire is as essential as calling the fire department after a fire has started, and every effort has been made to have all electrical work installed in the safest manner possible.

No person should be employed for the installing of electric wiring or appliances except such as are known to be fully competent to do such work in a safe and workman-like manner.

By paying strict attention to this matter a great amount of time and trouble may be obviated and work would not have to be done over, thereby saving a great amount of annoyance.

Number of notifications of new work received	957
Number of inspections of new work	957
Number of re-inspections of new work	1,704
Number of inspections of old work	446
Number of defective installations of old work	10
Number of defective installations remedied	10
Number of re-inspections of old work	15
Total number of inspections	3,122
Number of permits issued to the Edison Electric Illuminat- ing Company for installing meters, lamps, etc.	1,459
Number of incandescent lamps	20,002
Number of motors	101
Horse power of motors	299

Fire Alarm System.

The present fire alarm signal system has done good work during the year, but I would again call your attention to the need of a modern system whereby alarms coming from boxes on the street could be handled more quickly and accurately.

I also call your attention to the same conditions which exist in regard to the housing of motor apparatus in the same building with the fire alarm headquarters.

Not only is there the danger from fire which would completely put the signal system out of commission but the smoke and gas arising from the automobiles when run, cause blackening and the corrosion of the delicate apparatus of the signal system and necessitates additional precautions to keep the same in working condition.

The fire alarm signal system should be in a separate building.

There have been 266 alarms transmitted during the year.

Five old style boxes have been replaced with modern successive boxes and keyless doors have been placed on all street boxes.

The fire alarm equipment consists of the following:—

125 signal boxes, one eight-circuit repeater, eight tower strikers, thirty-two gongs, six indicators, three punch registers, forty-three tappers, one automatic steam whistle, twelve private telephones, 530 cells of storage battery, about 125 miles of overhead wire and 59,998 feet of underground cable.

There has been run 6,240 feet of new overhead wire and 43,200 feet of old has been removed.

1,000 feet of new twisted pair has been run for telephones, etc., and 5,100 feet of old has been removed.

12,350 feet of lead-covered cable, consisting of two, four, six, fourteen and eighteen conductors have been placed underground on Pearl, Marshall, Walnut, Medford and Franklin streets and Willow avenue, and the old overhead wire has been removed.

Police Signal System.

The police signal system has been given constant attention and is giving excellent service, over 800 calls a day being transmitted from street boxes to the police station.

Supervision of Poles and Wires on the Streets and Underground Construction.

The same attention has been given to the condition of poles and wires on the streets as in previous years.

A large number of defective poles have been replaced by companies owning the same.

New poles have been placed in locations granted for the purpose of supplying light and telephone service, and abandoned poles have been removed.

	New Poles	Re- placed	Re- moved	Re- set
New England Telephone & Telegraph Co.	9	53	28	14
Edison Electric Illuminating Co.	37	194	27	1
Boston Elevated Railway Co.	42		1	
Permits given to the New England Telephone and Telegraph Co. for attachment to the Edison Co.'s poles				320
Permits given to the Edison Electric Illuminating Co., for attachments to New England Telephone Co.'s poles				58

Street Lighting.

The matter of street lighting has been given the same attention as in previous years and a number of additional lights have been placed in various parts of the city.

	Jan. 1, 1914	Jan. 1, 1915
Magnetites	123	128
Arcs	339	342
Incandescents, 100 c. p.	47	81
Incandescents, 40 c. p.	857	876

Electrical Department.**CREDIT.**

Appropriation	\$9,500 00	
Credit from Underground Construction account	226 00	
Total credit		\$9,726 00

DEBIT.

Salaries	\$5,746 50	
Fire alarm system	3,410 18	
Police alarm system	237 04	
Inspection of electrical work	315 14	
Total debit		\$9,708 86
Balance unexpended		\$17 14

Underground Construction.

		CREDIT.	
Appropriation (Transfer from Fire Department additional appropriation account,			
Balance unexpended, 1913	. . . . .	\$1,272 00	
		2,007 82	
Total credit	. . . . .		\$3,279 82
		DEBIT.	
Materials	. . . . .	\$2,339 87	
Labor	. . . . .	921 00	
Total debit	. . . . .		\$3,260 87
Balance unexpended	. . . . .		\$18 95

Street Lighting.

		CREDIT.	
Appropriation		\$58,000 00	
Credit on pay rolls May 1, 1914, to October 31, 1914	. . . . .	5,421 76	
Total credit	. . . . .		\$63,421 76
		DEBIT.	
Street lighting (Edison Co.)	. . . . .	\$63,396 16	
Changes of street lights	. . . . .	3 00	
Incidentals	. . . . .	22 60	
Account balanced	. . . . .		\$63,421 76

Recommendations.**Conclusion.**

I respectfully recommend that:—

The matter of providing suitable quarters for the fire alarm system be attended to as soon as possible.

The present fire alarm system be replaced by a modern, quick time system when such suitable quarters are provided.

Additional ordinances be made to further govern the installation of electric wires and appliances in the city.

I wish to thank his honor, the mayor, the members of the board of aldermen, and the several departments for courtesies received.

Respectfully submitted,

WALTER I. FULLER,
Commissioner of Electric Lines and Lights,

SOMERVILLE WATER WORKS.

SOMERVILLE, MIDDLESEX CO., MASSACHUSETTS.

Location : Somerville City Hall (near centre of the city) is $2\frac{3}{4}$ miles northerly from State House in Boston.

Greatest extent of the City north and south about 4.2 miles.

Greatest extent of the City east and west about 2.1 miles.

Elevation Highland avenue at City Hall 105 feet above mean low water.

Lowest building elevation in the city 13 feet.

Highest building elevation in the city 145 feet.

Area of city, including land and water, about 4.22 square miles.

Land, 2,461.50 acres : water and marsh, 238.50 acres.

Population 1910, census, 77,236.

Present population, estimated, 85,000.

Entire population on line of pipe and supplied with water.

Water works owned by City of Somerville.

Construction commenced in 1868.

Source of supply : Metropolitan system, taking water of the Nashua river at Clinton, Mass.

Range of pressure on street mains :

Low service 35 to 65 pounds.

High service 45 to 100 pounds.

Mayor.

HON. ZEBEDEE E. CLIFF.

Water Commissioner.

FRANK E. MERRILL.

Office of the Water Department.

Room 10, City Hall.

Department Buildings and Yard.

Cedar street, near Broadway,

REPORT OF THE WATER COMMISSIONER.

OFFICE OF THE WATER COMMISSIONER, }
January, 1915. }

To His Honor, the Mayor, and the Board of Aldermen:—

I present herewith my report for the year ending December 31, 1914, this being the forty-first annual report of the water department and my fifteenth as water commissioner:—

Revenue and Expenditures.

Water bills have been issued as follows:—

"Annual" water charges, amounting to	\$68,011 10
"Additional" water charges, amounting to	2,966 96
"Metered" water charges, amounting to	165,559 82
	<hr/>
	\$236,537 88

	Annual and Additional	Metered	
Abatements on above charges	\$2,112 22	\$232 42	
Refunds on above charges	189 05	40 47	
Abatements on 1913 charges	.....	
Refunds on 1913 charges	11 35	4 86	
	<hr/>	<hr/>	
	\$2,312 62	\$277 75	\$2,590 37

Income from sale of water		\$233,947 51
Receipts from water service assessments	\$4,223 54	
Receipts for labor and materials sold:—		
Department accounts	969 31	
Miscellaneous accounts	3,433 82	
	<hr/>	8,626 67
Total income of water works		\$242,574 18

This amount was used as follows:—

For water works purposes:—

Water works maintenance	\$40,457 11	
Water works extension	13,066 17	
Pensions	657 58	
Miscellaneous accounts	8,626 67	
	<hr/>	\$62,807 53
Interest on water loan bonds		1,260 00
Maturing water loan bonds		6,000 00
Metropolitan water works assessment		109,999 13
		<hr/>
		\$180,066 66

For other municipal purposes:—

Public Buildings Department	\$780 08
General revenue account	61,727 44
	<hr/>
	\$242,574 18

In addition to the appropriations from water income to other municipal purposes enumerated above, water has been furnished without charge to all the city departments that have required its use and it is paid for out of the income from sale of water.

Department Receipts and Disbursements
WATER MAINTENANCE ACCOUNT.

	Dr.	Cr.
Amount appropriated by board of aldermen from estimated sales of water and operating receipts of the water department		\$40,500 00
Amount transferred from Water Works Extension account		4,210 29
Department accounts		969 31
Materials furnished for extension of the water works		11,716 12
Amount expended for labor and materials for operation, maintenance, and renewal of the water works	\$40,457 11	
Amount expended for materials used in extension of the water works	11,716 12	
Pensions	657 58	
Miscellaneous accounts	3,433 82	
Labor and materials furnished municipal departments	969 31	
Unexpended balance	161 78	
	<hr/> \$57,395 72	<hr/> \$57,395 72

WATER WORKS EXTENSION ACCOUNT.

	Dr.	Cr.
Amount appropriated by board of aldermen from estimated sales of water and operating receipts of the water department		\$21,500 00
Amount transferred to Water Maintenance account	\$4,210 29	
Amount expended for labor and materials used in extension of the water works, \$17,289.71; less water service assessments paid by abutters, \$4,223.54	\$13,066 17	
	<hr/> \$21,500 00	<hr/> \$21,500 00

Cost of Water Works.

The total cost of the water works on December 31, 1913, as represented by the expenditures from appropriations for water works extension was	\$978,279 93
Expended during the year 1914, on extension account	13,066 17
Total expenditures, December 31, 1914	<hr/> \$991,346 10

Water Debt.

Water loan bonds have been issued on funded debt account to the amount of \$1,017,000; this has been reduced by \$991,000, leaving the water debt on December 31, 1914, \$26,000,

The outstanding bonds mature as follows:—

YEAR.	AMOUNT.	YEAR.	AMOUNT.
1915	\$5,000	1918	\$5,000
1916	5,000	1919	4,000
1917	5,000	1920	2,000

Water Works Income from 1898 and its Distribution.

The water income and its distribution from 1898 to 1914; inclusive, is shown in the following table:—

Total water income, years 1898 to 1914, inclusive . . . 3,865,302 07
Distribution:—

Water Works Account.

Water Works Construction, Renewal, Maintenance and Operation	\$941,575 66
Water Bonds	248,000 00
Interest	83,295 00
Metropolitan Water Assessments	1,423,177 41
	<hr/>
	\$2,696,048 07

Other Municipal Accounts.

Various municipal departments through specific appropriations and general revenue account	\$1,169,254 00
	<hr/>
	\$3,865,302 07

Revenue and Appropriations.

The net revenue from the sale of water in 1914 was \$233,947.51, an amount slightly in excess of that of any other year. The receipts from other sources were \$8,626.67, making the total department revenue for the year, \$242,574.18.

The percentage of sales of measured water increases as the installation of meters progresses, and has now reached seventy-one per cent; the balance, twenty-nine per cent., still being assessed on the flat rate basis.

On account of highway construction and reconstruction work, permanent paving and sidewalks, a larger amount than usual was expended on renewal account.

The total expenditures for maintenance, operation, renewal and extension of the entire water works system was \$53,523.28; for work done for property owners for which the city was reimbursed, \$8,626.67; for pensions of laborers under Chapter 503, Acts of 1912, \$657.58; for maturing water bonds and interest on outstanding bonds, \$7,260.00; and the city's assessment for the Metropolitan Water Works, \$109,999.13;

a total of \$180,066.66. The surplus balance after paying all expenses of the water works was \$62,507.52, which was used for other municipal purposes.

The department accounts closed for the year with an unexpended balance of \$161.78.

Pensions.

The total amount paid during the year, as previously shown, was \$657.58.

The name of Michael J. Finnell was added to the pension list on April 14, 1914, at \$6.56 per week.

The death of Hervey W. King removed his name from the list on March 14, 1914, and that of Mr. Finnell shortly after becoming a recipient of his reward for faithful labor, removed his name on June 4, 1914.

The present recipients of pensions are Richard Whalen and Andrew McCaffrey.

WATER DISTRIBUTION SYSTEM—CONSTRUCTION.

STREET MAINS.

The number of feet of street mains laid during the past year is 5,463; there has also been laid 108 feet of pipe for hydrant connections and 137 feet for blow-off discharges, making a total of 5,708 feet; 150 feet have been removed or abandoned. The net increase is 5,558 feet, and the total mileage in the city is approximately 99.7.

The sizes and lengths of pipe laid and abandoned are as follows:—

Size.	Feet laid.	Feet abandoned.	Size.	Feet laid.	Feet abandoned.
2"	232	150	8"	1,698	0
4"	536	0	10"	971	0
6"	1,235	0	12"	1,036	0

The principal street mains laid during the year are as follows:—

Street	Size of Feet pipe laid	Street	Size of Feet pipe laid
Arnold avenue.....	4" 153	Frederick avenue.....	10" 347
Bailey street.....	8" 219	Landers street.....	6" 228
Broadway, Michigan avenue, to Pennsylvania avenue.....	8" 745	Lowell terrace.....	4"—6" 162
Broadway, Grant street easterly	2" 110	New Hampshire avenue	6" 355
Broadway, Langmaid avenue, easterly.....	2" 83	Powder House boulevard from North street westerly.....	12" 411
Broadway, Cedar street to City road.....	12" 625	Powder House boulevard, Burnham street Easterly	10" 624
Buena Vista road.....	6" 267	St. James avenue.....	4" 154
Emery street.....	8" 88	Weston avenue.....	6" 204
Street connections, hydrant branches, blow-off pipes, 374 feet,		Whitman street.....	8" 559

Hydrants, Gates.

There have been fifteen hydrants set during the year, making the total number in the city, 1,130.

One private hydrant has been set; the total number supplied from the city mains now is sixty.

Thirty gate valves have been set during the year and one has been removed, making a net increase of twenty-nine, and a total of 1,628 in the service.

Seven blow-offs have been constructed, and the total number in the city is 166.

The total number of waterposts in service is 79. Three combination drinking fountains of 1914 type have been installed.

Water Services.

The number of new water services laid during the year was 232, a decrease of 9 from the previous year.

The length of all the service pipes installed was 8,527 feet, and the amount received in charges made for the work was \$4,223.54.

Twenty-five service connections were permanently discontinued and the length of pipe abandoned was approximately 859 feet. The number of services in use in the city is estimated to be 13,034, and the total length of service pipe 85.11 miles. Six-inch fire services have been installed at the factories of E. A. Schriebe on Adelaide road, and the Boston Burial Case Co. on West street, and at Hobbs' Building, Davis square.

Water Meters.

The number of meters installed during the year on new services and on old services hitherto unmetered was 653, 68 which had been removed for various causes were reset; 76 were removed on account of permanent or temporary discontinuance of use of water and for substitution of other meters. The use of two motor registers has been discontinued, leaving but five now in service. The net increase in number of operating meters was 645, making the total number of meters and motors in service on December 31, 8,499, or about sixty-five per cent. of the number of service pipes in the city.

The kinds and sizes of all meters now installed are shown in the following table:—

OPERATING METERS DECEMBER 31, 1914.

KIND.	SIZE.								Total.
	5/8"	3/4"	1"	1½"	2"	3"	4"	6"	
Nash . . .	178								178
Empire . . .	6								6
Crown . . .	5	4	2	2	2	2			17
Gem . . .							1		1
Hersey . . .			4	1	1	2			8
Hersey Disc	256	22	3	1	4				286
Torrent . .								1	1
Trident . .	491	45	24	4	5		1		570
Trident Crest					2	2	3		7
Trident Comp.					7	2	2		11
Union . . .	16	13	6	1	4				40
Union Special		14	3	2					19
Columbia . .	88								88
King . . .	655								655
Lambert . .	3,477	145	24	1					3,647
Worthington									
Disc . . .	2,917	18							2,935
Keystone . .	25								25
Totals . .	8,114	261	66	12	25	8	7	1	8,494
Motor and ele- vator registers									5
									8,499

The meters installed in 1914 were classed as follows:—

Applications of property owners	169
New services	231
General installation	253
Reset	68

Total 721

Meters were removed for the following causes:—

Vacancies and temporary non-use of water	49
Services permanently discontinued	2
Replaced by other meters	23

Total 74

Motor registers discontinued 2

Total 76

Under the provisions of the Metropolitan Water Act it is necessary that there be installed in this city at least 411 meters each year on services previously unmetered, and meters on all new services when they go into regular use. The number of meters set during the year in excess of the actual requirements of the state law was eleven.

The following table gives a summary of the pipes and fixtures of the water system December 31, 1914:—

Summary of Pipes and Fixtures.

Feet of main pipe (approximately)	526,419
Feet of service pipe (approximately)	449,412
Service connections (approximately)	13,034
Public fire hydrants	1,130
Private fire hydrants	60
Gates	1,628
Check valves	7
Meters	8,494
Motor registers	5
Waterposts	78
Blow-offs	166
Drinking fountains and troughs	9

WATER DISTRIBUTION SYSTEM—MAINTENANCE.

The street mains have given us but little trouble during the year, only eight leaks having been discovered. The worst experience was with the main crossing the Central street bridge which cracked and caused a large quantity of water to fall upon the railroad tracks below. Fortunately no great damage was done.

On account of street construction work by the highway department, it was deemed advisable to replace the old 2-inch pipe in Landers street with a 6-inch main and the old 2-inch pipe in St. James avenue with a 4-inch main.

A 1-inch pipe carrying the supply to Arnold avenue was found to be so filled with rust and sediment that it was replaced with a 4-inch main, and the same conditions were found in Lowell terrace where the old service was replaced with a 4-inch pipe having a 6-inch connection with the Lowell street main.

Waterposts and Fountains.

One waterpost used in the street sprinkling service has been removed.

The old-fashioned stone horse trough in Broadway near Fellsway East has been removed, and a new style watering station has been set in its place. The old iron horse trough in Union Square has been abandoned, and a watering station has been set in the sidewalk at the fire station. The total number of horse and drinking fountains in the city is nine.

Services.

A large number of service pipes were renewed wholly or in part during the year on account of the permanent paving of many streets and the reconstruction of others by the Highway department, and the laying of granolithic sidewalks, so that these streets might not need to be opened for some years on account of defective water pipes. Some of the service pipes were found to be in very bad condition, and the work as a whole is believed to have been fully warranted.

Water Assessments and Consumption.

The annual assessments paid by this city as its proportionate part of the cost and operation of the Metropolitan water works are given below:—

Year.	Sinking Fund.	Maintenance.	Interest.	Maturing Bonds.	Total.
1898	No division	made			\$14,250 19
1899	"	"	"		20,975 58
1900	"	"	"		28,689 24
1901	\$12,491 73	\$12,033 79	\$32,291 24		56,816 76
1902	19,014 85	12,955 64	30,427 40		62,397 89
1903	15,748 56	12,763 10	48,776 77		77,288 43
1904	16,404 42	15,393 87	54,938 64		86,736 93
1905	21,358 11	13,666 71	55,535 91		90,560 73
1906	22,345 50	17,412 51	57,402 07		97,160 08
1907	25,365 30	18,880 01	62,089 30		106,334 61
1908	24,865 73	15,221 12	68,604 23		108,691 08
1909	24,812 23	21,220 56	66,540 41		112,573 20
1910	25,018 52	18,212 23	66,825 45		110,056 25
1911	25,424 55	19,573 82	69,849 26	\$246 65	115,094 29
1912	24,469 82	16,111 70	68,205 16	445 46	109,232 14
1913	24,930 94	20,691 19	70,206 83	491 92	116,320 88
1914	14,190 98	22,488 71	73,138 81	180 63	109,999 13
					<hr/> \$1,423,177 41

There has been credited to the city by the commonwealth as its proportion of the amounts received from entrance fees, water supplied outside the district, and water furnished to water companies the sum of \$9,056.10.

The daily consumption of water in Somerville, as recorded by the Venturi meters, operated by the Metropolitan water works, is shown below by months for the year 1914:—

Month.	Gallons per day.	Gallons per capita	Month.	Gallons per day.	Gallons per capita
January	6,811,000	81	July.....	5,894,500	70
February	7,436,900	89	August	5,731,100	68
March	6,275,900	75	September ..	6,043,300	71
April	5,974,500	71	October	5,833,200	69
May	6,052,700	72	November ...	5,640,900	66
June	6,492,300	77	December ...	6,310,700	74

The consumption for the year was: Low-service, 1,781,809,000 gallons; high-service, 481,137,000 gallons; making the total for the year 2,262,946,000 gallons, and an average daily consumption of 6,199,800 gallons.

The average daily quantity of water used in Somerville during 1914 was seventy-three gallons per inhabitant, an increase of one gallon over the previous year's consumption; the average for the entire district was ninety-four gallons daily per capita, the same as in the previous year.

The following table shows the daily per capita consumption of water in the cities and towns in the Metropolitan water district for the year 1914, as registered by the Metropolitan meters:—

City or Town.	Jan.	Feb.	Mar.	Apr.	May.	June	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Arlington	55	60	54	56	67	97	72	68	85	70	55	57	66
Belmont	64	69	71	73	84	110	75	70	103	77	58	56	76
Boston	118	128	108	101	105	110	108	108	110	107	102	111	109
Chelsea	82	91	74	73	75	80	79	78	81	77	74	82	79
Everett	79	91	70	66	67	73	66	65	68	64	62	70	70
Lexington	59	60	58	60	77	93	73	63	75	66	63	60	67
Malden	49	48	44	42	46	52	46	45	48	44	42	43	46
Medford	49	50	52	49	48	55	46	46	49	43	43	43	48
Melrose	55	57	53	49	57	65	56	53	56	54	52	54	55
Milton	39	41	41	36	44	47	35	36	44	44	39	35	40
Nahant	52	54	50	63	99	270	220	223	195	95	61	44	119
Quincy	68	69	68	68	72	83	76	75	79	71	66	65	72
Revere	73	82	66	67	72	82	82	81	76	66	60	64	72
Somerville	81	89	75	71	72	77	70	68	71	69	66	74	73
Stoneham	44	48	45	45	51	62	50	44	43	43	43	46	47
Swampscott	51	51	49	51	64	104	85	84	81	63	51	47	65
Watertown	61	62	66	65	69	77	67	68	74	71	68	69	68
Winthrop	50	53	52	52	58	77	73	73	67	60	60	60	61
Met. Dist.	100	109	92	87	91	98	94	93	96	91	87	95	94

The district, in order of consumption, beginning with the lowest, stands as follows for the year 1914:—

City or Town.	Gallons.		
	Total per Day.	Per Capita per Day.	Per cent of Services. Metered.
1—Milton	346,700	40	100
2—Malden	2,237,900	46	100
3—Stoneham	378,800	47	93
4—Medford	1,258,900	48	100
5—Melrose	932,500	55	100
6—Winthrop	722,800	61	100
7—Swampscott	440,000	65	100
8—Arlington	860,500	66	100
9—Lexington	373,800	67	85
10—Watertown	984,800	68	100
11—Everett	2,688,100	70	50
12—Revere	1,551,000	72	65
13—Quincy	2,609,200	72	89
14—Somerville	6,199,800	73	65
15—Belmont	497,500	76	100
16—Chelsea	2,904,400	79	100
17—Boston	81,877,800	109	48
18—Nahant	171,600	119	80

High Service Pump.

In view of the experiences of Chelsea, Salem, and other cities with conflagrations, it behooves Somerville to see to it that her water supply system for fire prevention purposes is adequate for any and all demands that may be made upon it.

The water distribution system is believed to be ample, and the pipes, so far as known, are in first-class condition. There is, however, no dependable way of furnishing water to the elevated portion of the city in the event of the Metropolitan high pressure mains being shut off, as has been the case,

and may be again at any time, and the fire hydrant service on the hills would be of but little value in case of a fire breaking out at that time.

Before the introduction of the Metropolitan water supply in 1898, our local high service was produced by the operation of a steam pump at our Cedar street station. With the completion of the northern Metropolitan high-pressure system, the use of the pump was no longer needed under normal conditions, but it has been retained as an emergency equipment to be used in case of any trouble necessitating the closing of the Metropolitan mains.

Occasion for producing our high service supply by our own equipment has several times arisen through the necessary shutting off of the Metropolitan service, and while this closing of the Metropolitan supply is not likely to occur frequently there is always a possibility of its happening, and that too, at a time when its loss would result most disastrously.

Our present pumping equipment is old and altogether unfit for longer service. The pump was installed a quarter of a century ago; the boiler is twenty years old and is unsafe for high pressure work. While the plant was no doubt well designed for the work of its day, it has become an obsolete proposition for present-day conditions. When originally installed in 1889 it was run daily and steam was kept on the boilers continuously; now the pump is operated only intermittently, to keep it limbered up, and the one remaining boiler is used practically only during the winter season for heating the buildings.

Should an emergency condition arise during that period of the year when the boiler is not under any steam and it became necessary to do our own high pressure pumping, it would take several hours to get up sufficient steam pressure to operate the pump, and I believe there is always danger of the boiler being temporarily out of service or going out of commission through blowing a tube or possibly some more vital part letting go when it is most needed for producing power.

In my opinion, present conditions demand an entirely different pumping plant from that now set up. I think the old boiler and pump should be abandoned and a new pump driven by some quick-acting oil or gas engine should be installed at as early a date as the changes can be effected.

I do not think it a wise policy for the City of Somerville to take chances with conflagration possibilities if they can be obviated or reduced by the small expenditure needful to install an up-to-date high-service pump, and in my forthcoming estimates of department expenses for 1915, I shall include a request for an appropriation for such installation.

In connection with the subject of increasing the efficiency

of the water works system for fire prevention comes naturally that of protecting our fire hydrant system from being tampered with by unauthorized persons.

Our city ordinances forbid the use of fire hydrants by others than employees of the water department and firemen in the discharge of their duties, and both contractors and laborers in the city departments should not feel that they are at liberty to use them indiscriminately and without authority from the Water Commissioner.

New Legislation.

Legislation has been passed or accepted by the city voters affecting laborers, workmen and mechanics employed in the water and other departments, which has become operative during the year 1914, as follows:—

Chapter 217, Acts of 1914; relative to vacations of laborers.

Respectfully submitted,

FRANK E. MERRILL,

Water Commissioner.

Gates Set in New Locations.

Arnold avenue, 4-inch gate, set 4 feet 10 inches north from south line of Arnold avenue on east line of Porter street.

Bailey street, 8-inch gate, set 13 feet 4 inches out from south line of Bailey street and on east line of North street.

Boston avenue, 8-inch gate, set 13 feet 4 inches out from east line of Boston avenue and on north line of Frederick avenue.

Broadway, 12-inch gate, set 29 feet north from south line of Broadway, and on east line of Cedar street.

Broadway, 2-inch gate, set 9 feet south from the north line of Broadway on the east line of Grant street.

Broadway, 8-inch gate, set 10½ feet south from north line of Broadway, and on east line of Michigan avenue.

Broadway, 12-inch gate, set 429 feet west from Wilson avenue, and 24 feet out from the south line of Broadway.

Broadway, 8-inch gate, set 10½ feet south from north line of Broadway, and on west line of Pennsylvania avenue.

Broadway, 2-inch gate, set 11 feet 6 inches out from north line of Broadway, and on east line of Langmaid avenue.

Buena Vista road, 4-inch gate, set 246 feet south from south line of Holland street, and 11 feet 8 inches west from east line of Buena Vista road on blow-off branch.

Clarendon avenue, 4-inch gate, set in sidewalk, 1 foot out from east line of Clarendon avenue, and 217 feet north from Cambridge boundary.

Clark street, 4-inch gate, set 16 feet out from east line of Clark street, and 262 feet north from north line Newton street; on blow-off branch.

Elm street, 6-inch gate, set 82 feet west from Chester street, and 11 feet out from north line of Elm street.

STREET MAINS, GATES, HYDRANTS, ETC., LAID, SET, REMOVED IN 1914

STREET.	DESCRIPTION.	PIPE.				GATES.				HYDRANTS.				BLOW-OFFS.				WATER POSTS.	
		LAID.		ABANDONED.		SET.		REMOVED.		SET.		REMOVED.		SET.		REMOVED.		SET.	REMOVED.
		Size.	Feet.	Size.	Feet.	Size.	No.	Size.	No.	Size.	No.	Size.	No.	Size.	No.	Size.	No.		
Arnold avenue	Street main; from connection with main pipe in Porter street.	4"	153			4"	1												
Bailey street	Street main; from connection with main pipe in Bailey street at point 13' east from west line of West Quincy street to connection with main pipe in North street.	8"	219			8"	1												
Broadway	Street main; from connection with main pipe in Michigan avenue to connection with main pipe in Pennsylvania avenue.	8"	745			8"	2												
Broadway	Hydrant; 63' east from Illinois avenue.	6"	2							6"	1								
Broadway	Hydrant; 60' west from Pennsylvania avenue.	6"	2							6"	1								
Broadway	Street main; from connection with main pipe at Langmaid avenue to point 61' east from east line of Langmaid avenue.	2"	83			2"	1												
Broadway	Hydrant; 314' east from Cedar street.	6"	15							6"	1								
Broadway	Street main; from connection with main pipe in Broadway opposite Cedar street to connection with main pipe in Broadway near City road.	12"	625			12"	1												
Broadway	Main gate; 429' west from Wilson avenue.	12"				12"	1												
Broadway	Street main; from connection with main pipe in Grant street to point 86' east from east line of Grant street.	2"	110			2"	1												
Boston avenue	Street main; from south line of Frederick avenue to north line of Frederick ave.	8"	39			8"	1												
Buena Vista road	Street main; from connection with main pipe in Buena Vista road at south line of Holland street to point 17' south of south line of Holland street.	6"	17																
Buena Vista road	Street main; from connection with main pipe in Buena Vista road at point 17' south from south line of Holland street to point 263' south from south line of Holland street.	6"	250																
Buena Vista road	Hydrant; 162' south from Holland street.	6"	6							6"	1								
Buena Vista road	Blow-off; 246' south from south line of Holland street.	4"	15			4"	1							4"	1				
Burnham street	Street main; from connection with main pipe in Burnham street at south line of Powder house boulevard to connection with main pipe in Powder house boulevard.	8"	17																
Clarendon avenue	Main gate; 217' north from Cambridge boundary.					4"	1												
Clark street	Blow-off.	4"	25			4"	1							4"	1				
Elm street	Main gate; 82' west from Chester street.					6"	1												
Emery street	Street main; from connection with main pipe in Ward street to point 66' north from north line of Ward street.	6"	2			6"	1												
Frederick avenue	Street main; from connection with main pipe in Prichard avenue to connection with main pipe in Boston avenue.	8"	86			8"	1												
Frederick avenue	Street main; from point 21' east from Highland road to connection with main pipe in Carson avenue.	10"	180																
Frederick avenue	Street main; from point 21' east from Highland road to connection with main pipe in Carson avenue.	10"	167																
Frederick avenue	Blow-off.	4"	13			4"	1							4"	1				
Illinois avenue	Street main; from connection with main pipe in Illinois avenue to connection with main pipe in Broadway.	6"	11																
Indiana avenue	Street main; from connection with main pipe in Indiana avenue to connection with main pipe in Broadway.	6"	11																
Landers street	Street main; from connection with main pipe in School street to point 212' west from west line of School street.	6"	228			6"	1												
Landers street	Hydrant; 212' west from west line of School street.	6"	8							6"	1								
Leonard street	Street main; from connection with main pipe in Leonard street at south line of Powder House Boulevard to connection with main pipe in Powder House Boulevard.																		
Lowell terrace	Street main; from connection with main pipe in Lowell street to point 149' west from west line of Lowell street.	6"	18			6"	1												
Lowell terrace	Blow-off.	4"	13											2"	1				
North street	Main gate; on south line of Bailey street.	2"	149			2"	1												
North street	Hydrant; 248' north from Bailey street.	1"	13			1"	6												
New Hampshire avenue	Street main; from connection with main pipe in New Hampshire avenue at point 55' north from north line of Pennsylvania avenue to main gate in New Hampshire avenue on south line of Mystic avenue.	6"	7			6"	1			6"	1								
New Hampshire avenue	Hydrant; 87' north from Pennsylvania avenue.	6"	355			6"	1			6"	1								
New Hampshire avenue	Hydrant; 74' south from Mystic avenue.	6"	7			6"	1			6"	1								
Powder house blvd. (north side)	Street main; from connection with main pipe in North street to point 257' north from west line of North street.	6"	7																
Powder house blvd.	Hydrant; 381' north from North street.	12"	287			12"	1			6"	1								
Powder house blvd. (east from Leonard st)	Street main; from connection with main pipe in Powder House Boulevard at point 392' east from east line of Leonard street to point 8' west from east line of Burnham street.	6"	12							6"	1								
Powder house blvd.	Hydrant; 48' east from Leonard street.	10"	624			10"	2			6"	1								
Powder house blvd.	Blow-off; 388' east from east line of Leonard street.	6"	2											4"	1				
Powder house blvd.	Street main; from connection with main pipe in Powder House Boulevard at point 257' north from west line of North street to point 33' north from west line of North street.	6"	18			4"	1												
Russell road	Street main; from connection with main pipe in Hamilton road to point 6' north from north line of Hamilton road.	12"	124																
Saint James avenue	Street main; from connection with main pipe in Summer street to point 136' north from north line of Summer street.	8"	33																
Saint James avenue	Blow-off; 136' north from north line of Summer street.	4"	154	2"	150	4"	1	2"	1					2"	1				
Weston avenue	Street main; from connection with main pipe in Broadway to point 205' south from south line of Broadway.	2"	26			2"	1												
Weston avenue	Hydrant; 196' south from Broadway.	6"	204			6"	1												
Whitman street	Street main; from connection with main pipe in Whitman street at west line of Mason street to connection with main pipe in Whitman street at point 75' east from east line of Packard avenue.	6"	8							6"	1								
Whitman street	Hydrant; 240' east from Packard avenue.	8"	559																
Whitman street	Hydrant; 169' west from Mason street.	6"	7							6"	1								
Whitman street	Blow-off; on west line of Mason street.	6"	7							6"	1								
Willow avenue	Hydrant; 280' south from Summer street.	4"	27			4"	1			6"	1			4"	1				
Woodstock street	Hydrant; 67' west from Victoria street.	6"	11			6"	1			6"	1								
			5,708		150		30		1		15				7				

- Emery street, 6-inch gate, set 7 feet 6 inches out from east line of Emery street and 66 feet north from north line of Ward street.
- Emery street, 8-inch gate, set 7 feet 6 inches out from east line of Emery street and on north line of Ward street.
- Frederick avenue, 4-inch gate, set 17 feet north from the south line of Frederick avenue, and 17 feet east from west line of Boston avenue, on blow-off branch.
- Landers street, 6-inch gate, set 13 feet 4 inches out from north line of Landers street, and on west line of School street.
- Lowell terrace, 2-inch gate, set 6 feet 8 inches south from north line of Lowell terrace and 150 feet west from west line of Lowell street; on blow-off branch.
- Lowell terrace, 6-inch gate, set 6 feet 8 inches south from north line of Lowell terrace, on the west line of Lowell street.
- New Hampshire avenue, 6-inch gate, set 13 feet 4 inches east from west line of New Hampshire avenue, and on south line of Mystic avenue.
- North street, 6-inch gate, set 13 feet 4 inches out from east line of North street, and on south line of Bailey street.
- Powder House boulevard, 12-inch gate, set 5 feet south from north line of Powder House boulevard, and on west line of North street.
- Powder House boulevard, 10-inch gate, set 18 feet 6 inches out from south line of Powder House boulevard, and 392 feet east from east line of Leonard street.
- Powder House boulevard, 10-inch gate, set 18 feet 6 inches out from south line of Powder House boulevard, and 383 feet east from east line of Leonard street.
- Powder House boulevard, 4-inch gate, set 17 feet out from south line of Powder House boulevard and 383 feet east from east line of Leonard street; on blow-off branch.
- St. James avenue, 4-inch gate, set 10 feet out from west line of St. James avenue, and on north line of Summer street.
- St. James avenue, 2-inch gate, set 10 feet out from west line of St. James avenue, and 136 feet north from north line of Summer street; on blow-off branch.
- Weston avenue, 6-inch gate, set 13 feet, 4 inches east from west line of Weston avenue and south line of Broadway.
- Whitman street, 4-inch gate, set on west line of Mason street, 15 feet 4 inches out from north line of Whitman street; on blow-off branch.
- Willow avenue, 6-inch gate, set 280 feet south from Summer street, and 10 feet west from east line of Willow avenue; on hydrant branch.

Gates Removed or Discontinued.

- St. James avenue, 2-inch gate, removed from 10 feet out from west line of St. James avenue, and on north line of Summer street.

GATES—RECAPITULATION.

GATES.	2"	4"	6"	8"	10"	12"	14"	16"	20"	Total.
Set	4	8	8	5	2	3	—	—	—	30
Removed or Discontinued	1	—	—	—	—	—	—	—	—	1

Net increase in number of gates in 1914 29
 Total number of gates in the city December 31, 1914, 1,628

FIRE HYDRANTS.**Construction—Renewal—Removal.**

- Beacon street, 6-inch Boston Machine hydrant, removed from 40 feet east from Sacramento street.
- Beacon street, 6-inch Chapman hydrant, set 40 feet east from Sacramento street.
- Broadway, 6-inch Chapman hydrant, set 63 feet east from Illinois avenue.
- Broadway, 6-inch Chapman hydrant, set 60 feet west from Pennsylvania avenue.
- Broadway, 6-inch Mathews hydrant, set 314 feet east from Cedar street.
- Buena Vista road, 6-inch Chapman, set 162 feet south from Holland street.
- Dane avenue, 4-inch Boston Machine hydrant, removed from 162 feet west from Leland street.
- Dane avenue, 6-inch Corey hydrant, set 162 feet west from Leland street.
- Elmwood street, 6-inch Holyoke hydrant, removed from 298 feet east from Harrison street.
- Elmwood street, 6-inch Corey hydrant, set 298 feet east from Harrison street.
- Fisk avenue, 6-inch Chapman hydrant, removed from 120 feet east from Hinckley street.
- Garrison avenue, 4-inch Boston Machine hydrant, removed from 235 feet south from Broadway.
- Garrison avenue, 6-inch Mathews hydrant, set 235 feet south from Broadway.
- Henderson street, 6-inch Holyoke hydrant, removed from 107 feet north from Wilton street.
- Hinckley street, 6-inch Chapman hydrant, set 7 feet south from Fisk avenue.
- Holland street, 6-inch Mathews hydrant, removed from 39 feet north from Dover street.
- Holland street, 6-inch Mathews hydrant, set 27 feet north from Dover street.
- Landers street, 6-inch Corey hydrant, set 212 feet west from west line of School street.
- Newbury street, 4-inch Bigelow hydrant, removed from 200 feet north from Cambridge line.
- Newbury street, 6-inch Mathews hydrant, set 200 feet north from Cambridge line.
- New Hampshire avenue, 6-inch Corey hydrant, set 87 feet north from Pennsylvania avenue.
- New Hampshire avenue, 6-inch Corey hydrant, set 74 feet south from Mystic avenue.
- North street, 6-inch Corey hydrant, set 246 feet north from Bailey street.
- Paulina street, 4-inch Boston Machine hydrant, removed from 288 feet south from Broadway.
- Paulina street, 6-inch Corey hydrant, set 288 feet south from Broadway.
- Powder House boulevard, 6-inch Holyoke hydrant, set 381 feet north from North street.
- Powder House boulevard, 6-inch Corey hydrant, set 48 feet east from Leonard street.
- Somerville avenue, 6-inch Mathews hydrant, removed from 312 feet west from Cambridge line.

Somerville avenue, 6-inch Corey hydrant, set 312 feet west from Cambridge line.
 Somerville avenue, 6-inch Holyoke hydrant, removed from 13 feet west from Beech street.
 Somerville avenue, 6-inch Corey hydrant, set 13 feet west from Beech street.
 Vinal avenue, 6-inch Mathews hydrant, removed from 6 feet south from Highland avenue.
 Vinal avenue, 6-inch Mathews hydrant, set 6 feet south from Highland avenue.
 Weston avenue, 6-inch Mathews hydrant, set 196 feet south from Broadway.
 Whitman street, 6-inch Corey hydrant, set 210 feet east from Packard avenue.
 Whitman street, 6-inch Corey hydrant, set 169 feet west from Mason street.
 Willow avenue, 6-inch Mathews hydrant, set 280 feet south from Summer street.
 Wilton street, 6-inch Holyoke hydrant, set 8 feet west from Henderson street.
 Woodstock street, 6-inch Corey hydrant, set 67 feet west from Victoria street.

HYDRANTS—RECAPITULATION.

HYDRANTS.	4"	6"	8"	Total.
Set		15		15
Removed . . .	—	—	—	0

Net increase in number of hydrants in 1914 15
 Total number of hydrants in the city December 31, 1914, 11,130

Locations of Hydrants.

Aberdeen road, 237 feet west from Cedar street.
 Acadia park, 186 feet north from Somerville avenue.
 Adams street, 11 feet south from Broadway.
 221 feet south from Broadway.
 250 feet north from Medford street.
 10 feet north from Medford street.
 Adrian street, 93 feet east from Marion street.
 220 feet south from Joseph street.
 Albion street, 396 feet west from Central street.
 15 feet west from Centre street.
 217 feet east from Lowell street.
 7 feet west from house No. 110.
 444 feet east from Cedar street.
 Aldersey street, 276 feet west from Walnut street.
 Allen street, 9 feet north from Charlestown street.
 45 feet west from Somerville avenue.
 323 feet west from Somerville avenue.
 Alpine street, 280 feet east from Cedar street.
 76 feet west from Princeton street.
 298 feet west from Lowell street.
 Alston street, 212 feet east from Cross street.
 10 feet west from Shawmut place.
 Ames street, 123 feet west from Central street.

- Appleton street, 3 feet east from Clifton street.
41 feet west from Willow avenue.
- Arlington street, 36 feet east from Hathorn street.
- Arthur street, 29 feet south from Broadway.
- Ash avenue, 300 feet north from Meacham street.
- Ashland street, 7 feet South from Summer street.
268 feet south from Summer street.
- Atherton street, 31 feet east from Spring street.
- Auburn avenue, 239 feet west from Cross street.
481 feet west from Cross street.
- Austin street, 81 feet south from Mystic avenue.
66 feet north from Benedict street.
2 feet north from Broadway.
- Avon street, 233 feet east from Central street.
572 feet west from School street.
270 feet west from School street.
- Banks street, 310 feet south from Summer street.
- Bartlett street, 230 feet south from Broadway.
223 feet north from Medford street.
15 feet south from Ames street.
10 feet south from Robinson street.
- Barton street, 130 feet north from Broadway.
8 feet south from Russell road.
- Bay State avenue, 39 feet south from Broadway.
7 feet south from Mallet street.
92 feet north from Kidder avenue.
- Beacon street, 316 feet west from Greenwood terrace.
10 feet east from Stanwood terrace.
46 feet west from Sacramento street.
40 feet east from Sacramento street.
2 feet west from Beckwith circle.
15 feet west from Kent street.
4 feet west from Ivaloo street.
68 feet east from Park street.
18 feet east from Durham street.
26 feet east from Washington street.
79 feet west from Calvin street.
8 feet west from Waldo avenue.
28 feet west from Buckingham street.
208 feet east from Buckingham street.
6 feet east from Concord avenue.
- Beech street, 4 feet south from Atherton street.
- Belknap street, 63 feet north from Broadway.
80 feet south from Russell road.
- Belmont street, 206 feet north from Spring Hill terrace.
241 feet north from Summer street.
243 feet south from Summer street.
10 feet north from Belmont place.
222 feet south from Belmont place.
185 feet north from Somerville avenue.
- Benedict street, 33 feet east from Mystic street.
- Bennett street, 166 feet east from Prospect street.
- Benton road, 2 feet north from Cambria street.
28 feet south from Highland avenue.
- Berkeley street, 8 feet east from Central street.
150 feet east from Hersey street.
28 feet west from School street.
212 feet west from Hersey street.

- Billingham street, 126 feet north from William street.
Blakeley avenue, 13 feet east from Fellsway East.
Bolton street, 203 feet north from Houghton street.
3 feet south from Oak street.
Bonair street, 26 feet west from Cross street.
90 feet east from Autumn street.
121 feet east from Arthur street.
67 feet east from Dana street.
Opposite Melvin street.
117 feet east from Walnut street.
Bond street, 63 feet south from Jaques street.
Bonner avenue, 171 feet north from Washington street.
Boston avenue, 110 feet south from bridge over Mystic river.
492 feet north from Gove street, Medford.
65 feet north from Highland road.
23 feet east from Pearson avenue.
289 feet north from Morrison avenue.
Boston street, 11 feet west from Prospect Hill avenue.
207 feet west from Bigelow street.
87 feet east from Bigelow street.
6 feet north from Munroe street.
Bow street, 102 feet north from Warren avenue.
23 feet west from Wesley park.
25 feet east from Bow-street place.
74 feet north from Walnut street.
Bow-street place, 193 feet west from Bow street.
Bowdoin street, 65 feet north from Fremont avenue.
Bradley street, 26 feet south from Radcliffe road.
Brastow avenue, 202 feet east from Porter street.
115 feet west from Lowell street.
Broadway, 50 feet east from Mt. Pleasant street.
20 feet west from George street.
21 feet west from Broadway place.
83 feet east from Cutter street.
7 feet east from Glen street.
80 feet east from Wisconsin avenue.
63 feet east from Illinois avenue.
60 feet west from Pennsylvania avenue.
21 feet east from Rush street.
118 feet east from Cross street.
15 feet west from Cross street.
7 feet west from Autumn street.
6 feet west from Montgomery avenue.
33 feet west from Walnut street.
4 feet east from Sargent avenue.
3 feet west from Melvin street.
157 feet west from Grant street.
117 feet east from Marshall street.
62 feet west from Marshall street.
4 feet west from School street.
9 feet west from Winter Hill circle.
10 feet west from Thurston street.
209 feet east from Central street.
104 feet west from Norwood avenue.
15 feet west from City road.
288 feet east from Cedar street.
Opposite Cedar street.
5 feet east from Wilson avenue.
252 feet west from Wilson avenue.

- 314 feet east from Cedar street.
- 115 feet west from Rogers avenue.
- 236 feet west from Liberty avenue.
- 175 feet west from College avenue.
- 6 feet west from Billingham street.
- 9 feet west from Packard avenue.
- 32 feet east from Westminster street.
- 237 feet east from Endicott avenue.
- 6 feet west from Endicott avenue.
- 9 feet west from Garrison avenue.
- 330 feet west from Waterhouse street.
- Broadway park, near the pond.
- Bromfield road, 179 feet north from Warner street.
 - 567 feet north from Warner street.
 - 267 feet south from Dearborn road.
- Brook street, 18 feet west from Rush street.
- Browning road, 302 feet west from Sycamore street.
 - 136 feet east from Central street.
- Buckingham street, 2 feet south from Dinick street.
- Buena Vista road, 162 feet south from Holland street.
- Burnham street, 84 feet south from Powder House boulevard.
- Burnside avenue, 259 feet north from Elm street.
 - 120 feet south from Summer street.
- Calvin street, 186 feet south from Beacon street.
- Cambria street, 131 feet west from Central street.
- Cameron avenue, 166 feet south from Holland street.
 - Opposite Mead street.
 - 26 feet south from Glendale avenue.
- Campbell park, 258 feet west from Meacham road.
- Cedar street, 226 feet south from Sartwell avenue.
 - 98 feet north from Sartwell avenue.
 - 61 feet north from Hall street.
 - 22 feet south from Highland avenue.
 - 12 feet north from Highland avenue.
 - 10 feet north from Albion street.
 - 124 feet south from Warwick street.
 - 50 feet north from Clyde street.
 - 24 feet south from Murdock street.
 - 270 feet south from Broadway.
- Central Hill road, rear of City Hall.
- Central street, 50 feet south from Broadway.
 - 6 feet north from Forster street.
 - 27 feet north from Vernon street.
 - 5 feet north from Pembroke street.
 - 187 feet south from Vernon street.
 - 9 feet north from Willoughby street.
 - 92 feet north from Highland avenue.
 - 9 feet south from Highland avenue.
 - 6 feet north from Oxford street.
 - 23 feet south from Avon street.
 - 14 feet south from Summer street.
- Chandler street, 16 feet south from Broadway.
 - 206 feet north from Park avenue.
- Chapel street, 14 feet east from Chandler street.
- Charles street, 183 feet south from Washington street.
- Charnwood road, 79 feet west from Hancock street.
- Cherry street, 7 feet south from Sartwell avenue.
 - 254 feet north from Sartwell avenue.
 - 252 feet north from Summer street.
 - 26 feet south from Highland avenue.

- Chester street, 15 feet north from Chester place.
Chestnut street, 480 feet south from Poplar street.
246 feet south from Poplar street.
Chetwynd road, 236 feet west from Curtis street.
Church street, 9 feet south from Summer street.
300 feet south from Summer street.
16 feet south from Somerville avenue.
29 feet north from Somerville avenue.
12 feet north from Lake street.
City Road, 70 feet north from Sumner street.
67 feet south from Roberts street.
Claremon street, 255 feet south from Holland street.
Clarendon avenue, 253 feet south from Broadway.
Opposite house No. 66.
Near Cambridge line.
Clark street, 15 feet north from Newton street.
200 feet north from Newton street.
412 feet north from Newton street.
Cleveland street, 192 feet west from Central street.
Clyde street, 250 feet east from Cedar street.
Opposite Murdock street.
College avenue, 12 feet north from Winter street.
6 feet south from Morrison avenue.
8 feet south from Hall avenue.
53 feet west from Francesca avenue.
Opposite Kenwood street.
100 feet west from Broadway.
405 feet north from Broadway.
720 feet north from Broadway.
Columbia street, 3 feet south from Beach avenue.
8 feet south from Columbia court.
Columbus avenue, 7 feet north from Washington street.
150 feet east from Bonner avenue.
118 feet west from Bonner avenue.
35 feet west from Stone avenue.
8 feet east from Walnut street.
Concord avenue, 154 feet west from Prospect street.
76 feet east from Concord square.
On east line of Knapp school.
313 feet east from Springfield street.
24 feet east from Springfield street.
7 feet east from Marion street.
6 feet south from Hammond street.
20 feet east from Wyatt street.
Conlon-court extension, 138 feet west from Windsor street.
Conwell avenue, 20 feet west from Curtis street.
460 feet west from Curtis street.
29 feet west from Hillsdale road.
9 feet east from North street.
336 feet east from North street.
Conwell street, 6 feet south from Highland avenue.
3 feet north from Francis street.
Cooney street, 98 feet north from Line street.
Cottage avenue, 206 feet west from Russell street.
Craigie street, 216 feet south from Summer street.
232 feet north from Kimball street.
77 feet south from Kimball street.
126 feet north from Somerville avenue.
Crescent street, 125 feet south from Pearl street.

- Crocker street, 4 feet south from Highland avenue.
8 feet north from Crown street.
- Cross street, 32 feet north from Cross-street place.
6 feet north from Pearl street.
62 feet north from Flint street.
16 feet north from Gilman street.
13 feet south from Auburn avenue.
39 feet north from Alston street.
- Cross street east, 114 feet north from Broadway.
- Curtis avenue, 206 feet west from Curtis street.
160 feet east from Hillsdale road.
- Curtis street, 6 feet north from Broadway.
3 feet south from Electric avenue.
137 feet north from Ware street.
3 feet south from Raymond avenue.
34 feet south from Professors row.
225 feet north from Professors row.
145 feet north from Sunset road.
- Cutter avenue, 11 feet south from Highland avenue.
- Cutter square, 95 feet west from Cutter avenue.
- Cutter street, 95 feet south from Broadway.
444 feet south from Broadway.
- Cypress street, 114 feet west from Central street.
- Dana street, 18 feet north from Pearl street.
- Dane avenue, 162 feet west from Leland street.
169 feet east from Dane street.
- Dane street, 166 feet south from Somerville avenue.
8 feet south from Tyler street.
42 feet north from Skehan street.
260 feet south from Skehan street.
- Dartmouth street, 184 feet south from Broadway.
200 feet north from Evergreen avenue.
53 feet south from Evergreen avenue.
171 feet north from Medford street.
- Davis square, 45 feet east from Day street.
- Day street, 10 feet south from Davis square.
Opposite Herbert street.
195 feet south from Herbert street.
4 feet north from Orchard street.
- Delaware street, 246 feet east from Aldrich street.
8 feet south from Pearl street.
- Dell street, 255 feet west from Glen street.
- Derby street, 400 feet east from Temple street.
- Dickinson street, 20 feet east from Beacon street.
7 feet north from Leon street.
- Dickson street, 119 feet south from Fairmount avenue.
- Dover street, 22 feet south from Davis square.
203 feet south from Davis square.
312 feet north from Orchard street.
3 feet north from Orchard street.
- Durant street, 130 feet south from Washington street.
- Durham street, opposite Skehan street.
5 feet west from Hanson street.
- Earle street, 1 foot south from Ward street.
66 feet north from Ward street.
- Eastman road, 279 feet south from Highland avenue.
- Edgar avenue, 156 feet north from Heath street.
38 feet south from Heath street.
- Edmands street, 15 feet south from Broadway.

Electric avenue, 160 feet west from Mason street.
Eliot street, 3 feet east from Park street.
Elisworth street, 7 feet west from Rush street.
Elm street, 59 feet west from Craigie street.
 17 feet west from Porter street.
 28 feet east from Linden avenue.
 11 feet east from Mossland street.
 9 feet west from Cedar street.
 153 feet east from Cherry street.
 110 feet west from Cherry street.
 14 feet east from Burnside avenue.
 104 feet east from Willow avenue.
 20 feet east from St. James avenue.
 9 feet west from Eston street.
 90 feet west from Windom street.
 30 feet west from Russell street.
 11 feet west from Grove street.
 82 feet west from Chester street.
Elmwood street, 9 feet south from Holland street.
 300 feet east from Harrison street.
 85 feet west from Harrison street.
Emerson street, 13 feet north from Newton street.
Endicott avenue, 422 feet south from Broadway.
Everett avenue, 5 feet west from Cross street.
 9 feet east from Dana street.
 449 feet west from Cross street.
Everett street, 149 feet west from Newton street.
 15 feet east from Webster avenue.
Evergreen avenue, 8 feet east from School street.
 114 feet east from Sycamore street.
Fairlee street, 134 feet west from Cherry street.
Fairmount avenue, 280 feet west from Curtis street.
 Opposite Watson street.
Farragut avenue, 258 feet south from Broadway.
 537 feet south from Broadway.
Fellsway East, 68 feet north from Broadway.
Fellsway West, 11 feet north from Broadway.
 437 feet south from Mystic avenue.
Fenwick street, 40 feet north from Broadway.
Fitchburg street, 395 feet east from Linwood street.
Flint street, 18 feet east from Flint avenue.
 59 feet east from Cross street.
 30 feet west from Franklin street.
Florence street, 206 feet south from Perkins street.
 7 feet south from Pearl street.
 453 feet north from Washington street.
Forster street, opposite Tennyson street.
Fosket street, 6 feet west from Bay State avenue.
Fountain avenue, 280 feet west from Glen street.
Francesca avenue, 305 feet east from College avenue.
 7 feet west from Liberty avenue.
Franklin street, 14 feet north from Arlington street.
 55 feet north from Perkins street.
 76 feet south from Webster street.
 156 feet south from Pearl street.
 80 feet south from Oliver street.
 87 feet south from Palmer avenue.
 29 feet north from Washington street.

- Fremont street, 82 feet north from Main street.
343 feet north from Main street.
Opposite Meacham street.
287 feet north from Meacham street.
25 feet north from East Albion street.
Garden court, 357 feet south from Somerville avenue.
Garfield avenue, 7 feet north from Broadway.
24 feet south from Mystic avenue.
Garrison avenue, 235 feet south from Broadway.
Gibbens street, 202 feet west from Central street.
129 feet west from Benton road.
Gilman square, opposite Marshall street.
Gilman street, 103 feet east from Walnut street.
143 feet east from Jasper street.
8 feet west from Aldrich street.
176 feet east from Aldrich street.
295 feet west from Cross street.
Glass-house court, 360 feet west from Water street.
Glen street, 147 feet south from Broadway.
8 feet north from Brook street.
6 feet north from Webster street.
1 foot north from Flint street.
11 feet north from Fountain avenue.
Glendale avenue, 80 feet west from Cameron avenue.
8 feet east from Yorktown street.
Glenwood road, 224 feet south from Broadway.
16 feet north from Vernon street.
320 feet north from Vernon street.
467 feet north from Vernon street.
Gorham street, 310 feet south from Holland street.
67 feet north from Howard street.
Grand View avenue, 286 feet east from Vinal avenue.
Granite street, 178 feet north from Somerville avenue.
Grant street, 99 feet south from Mystic avenue.
2 feet north from Derby street.
Greene street, 295 feet south from Summer street.
Greenville street, 148 feet north from Boston street.
33 feet north from Munroe street.
Grove street, 163 feet south from Highland avenue.
Hall avenue, 310 feet east from College avenue.
306 feet west from Liberty avenue.
9 feet west from Liberty avenue.
Hall street, 269 feet west from Cedar street.
Hamilton road, 81 feet west from Russell road.
Hamlet street, 321 feet south from Highland avenue.
Hammond street, 30 feet west from Dickinson street.
Hancock street, 258 feet south from Summer street.
Hanson street, 12 feet south from Village street.
9 feet south from Nevada avenue.
6 feet south from Skehan street.
Harold street, 42 feet north from Dimick street.
Harrison street, 77 feet east from Kent street.
Harrison street (Ward 7), 4 feet east from Elmwood street.
Harvard street, 13 feet north from Atherton street.
23 feet north from Harvard place.
Hathorn street, 145 feet south from Broadway.
Hawkins street, 50 feet north from Lake street.
Hawthorne street, 8 feet east from Cutter avenue.
209 feet east from West street.

- Heath street, 3 feet west from Temple street.
308 feet west from Langmaid avenue.
100 feet west from Bond street.
4 feet east from Fenwick street.
5 feet east from Moreland street.
- Herbert street, 163 feet west from Chester street.
Highland avenue, 28 feet west from Hamlet street.
5 feet east from Walnut street.
262 feet west from Walnut street.
80 feet east from Vinal avenue.
41 feet west from Putnam street.
75 feet west from Prescott street.
114 feet west from School street.
410 feet west from School street.
112 feet west from Trull lane.
171 feet east from Central street.
214 feet east from Spring Hill terrace.
23 feet west from Spring Hill terrace.
20 feet west from Belmont street.
4 feet east from Tower street.
2 feet east from Porter street.
212 feet east from Cedar street.
63 feet east from Cherry street.
35 feet east from Hancock street.
4 feet west from Hancock street.
44 feet east from Willow avenue.
3 feet west from Willow avenue.
59 feet east from West street.
36 feet west from West street.
36 feet east from Grove street.
6 feet west from Grove street.
218 feet west from Grove street.
64 feet east from Davis square.
- Highland road, 264 feet north from Morrison avenue.
83 feet south from Frederick avenue.
175 feet north from Frederick avenue.
221 feet south from Boston avenue.
- Hinckley street, 7 feet south from Fisk avenue.
12 feet south from Richardson street.
106 feet south from Broadway.
- Holland street, 39 feet north from Dover street.
193 feet south from Winter street.
136 feet south from Buena Vista road.
5 feet south from Jay street.
3 feet south from Paulina street.
94 feet south from Claremon street.
- Holyoke road (E.), 167 feet south from Elm street.
Holyoke road (W.), 185 feet south from Elm street.
Homer square, 200 feet west from Bonner avenue.
- Hoaghton street, 82 feet west from Prospect street.
3 feet west from Bolton street.
10 feet west from Oak street.
- Howard street, 36 feet west from Thorndike street.
- Howe street, 162 feet east from School street.
- Hudson street, 12 feet east from Waldo street.
Opposite Benton road.
294 feet east from Lowell street.
10 feet west from Lowell street.
362 feet west from Lowell street.

- 675 feet west from Lowell street.
- 364 feet east from Cedar street.
- 24 feet east from Cedar street.
- Ibbetson street, 256 feet north from Somerville avenue.
- 6 feet south from Kimball street.
- Illinois avenue, 221 feet north from Broadway.
- Indiana avenue, 178 feet north from Broadway.
- Irving street, 6 feet south from Broadway.
- 285 feet south from Broadway.
- 542 feet north from Holland street.
- 190 feet north from Holland street.
- James street, 100 feet north from Pearl street.
- Jaques street, 10 feet west from Fellsway West.
- 8 feet west from Grant street.
- 360 feet east from Temple street.
- 185 feet west from Temple street.
- 410 feet east from Bond street.
- Jasper street, 5 feet south from Virginia street.
- Jay street, 82 feet north from Howard street.
- Joseph street, 100 feet west from Adrian street.
- Josephine avenue, 397 feet north from Morrison avenue.
- 90 feet south from Frederick avenue.
- 129 feet north from Frederick avenue.
- 425 feet north from Frederick avenue.
- 213 feet south from Broadway.
- Joy street, 34 feet south from Washington street.
- 502 feet south from Washington street.
- 271 feet north from Poplar street.
- Kenneson road, 12 feet south from Broadway.
- Kensington avenue, 6 feet north from Broadway.
- 316 feet north from Broadway.
- Kent court, 205 feet west from Kent street.
- Kent street, 38 feet south from Somerville avenue.
- 7 feet north from Kent court.
- Kidder avenue, 346 feet east from College avenue.
- Kilby street, 174 feet south from Somerville avenue.
- Kingman road, 282 feet south from Washington street.
- Kingston street, 95 feet west from Thorndike street.
- Knowlton street, opposite Morton street.
- Lake street, 220 feet west from Hawkins street.
- 4 feet east from Carlton street.
- Landers street, 212 feet west from west line of School s
- Langmaid avenue, 2 feet north from Broadway.
- Laurel street, 50 feet north from Greene street.
- 8 feet north from Park place.
- Leland street, 14 feet south from Dane avenue.
- Leonard street, 26 feet north from Walker street.
- Lesley avenue, 57 feet north from Highland avenue.
- Lexington avenue, 244 feet west from Cedar street.
- 200 feet east from Hancock street.
- 3 feet west from Hancock street.
- 4 feet east from Henry avenue.
- Liberty avenue, 3 feet north from Kidder avenue.
- 207 feet south from Mallet street.
- 12 feet north from Mallet street.
- 13 feet south from Broadway.
- Lincoln avenue, 206 feet west from Mt. Vernon street.
- Lincoln parkway, 150 feet west from Joseph street.
- 290 feet east from Wyatt street.

- Lincoln street, 38 feet south from Broadway.
174 feet north from Perkins street.
- Linden avenue, 118 feet south from Gilson terrace.
255 feet south from Olive avenue.
30 feet north from Olive avenue.
- Linden street, 31 feet north from Charlestown street.
237 feet south from Somerville avenue.
- Line street, 100 feet north from Smith avenue.
272 feet north from Cooney street.
100 feet south from Cooney street.
400 feet south from Cooney street.
- Linwood street, 385 feet south from Washington street.
12 feet north from Linwood terrace.
48 feet south from Lamson court.
125 feet north from London street.
52 feet south from London street.
2 feet south from Linwood place.
- London street, 383 feet east from Linwood street.
- Loring street, 276 feet north from Somerville avenue.
- Lovell street, 41 feet south from Electric avenue.
- Lowden avenue, 85 feet south from Broadway.
8 feet south from Mallet street.
178 feet north from Kidder avenue.
27 feet south from Kidder avenue.
- Lowell street, 1 foot north from Fisk avenue.
50 feet north from Richardson street.
183 feet south from Richardson street.
124 feet south from Wilton street.
Opposite Vernon street.
8 feet north from Albion street.
163 feet south from Highland avenue.
53 feet north from Crown street.
351 feet south from Summer street.
16 feet north from Kimball street.
313 feet north from Somerville avenue
- Madison street, 103 feet west from **School street**.
467 feet west from School street.
43 feet east from Sycamore street.
- Main street, junction with Broadway.
112 feet west from Edgar avenue.
5 feet west from Moreland street.
- Malloy court, 16 feet south from **Somerville avenue**.
- Malvern avenue, 146 feet west from Cameron avenue.
7 feet east from Yorktown street.
- Mansfield street, 190 feet north from Somerville avenue.
189 feet south from Washington street.
- Maple avenue, 294 feet east from School street.
- Maple street, 7 feet south from Jackson street.
87 feet north from Poplar street.
- Marion street, 31 feet south from Adrian street.
74 feet north from Wyatt street.
177 feet south from Wyatt street.
40 feet east from Dimick street.
- Marshall street, 80 feet south from Stickney avenue.
30 feet north from Stickney avenue.
Opposite Howe street.
5 feet north from Evergreen avenue.
104 feet south from Mortimer place.
109 feet north from Oakland avenue.

- Mason street, 69 feet north from Broadway.
Meacham road, 4 feet north from Orchard street.
97 feet north from Kingston street.
326 feet east from Lester terrace.
Meacham street, 14 feet west from Moreland street.
Mead street, 48 feet east from Claremon street.
Medford street, 50 feet north from Hennessey court.
56 feet north from Lowell street.
14 feet north from Glenwood road.
16 feet south from Bartlett street.
6 feet north from Central street.
19 feet south from Sycamore street.
15 feet south from Lee street.
46 feet south from Thurston street.
5 feet north from School street.
171 feet north from Marshall street.
266 feet north from Walnut street.
3 feet east from Walnut street.
291 feet south from Walnut street.
8 feet south from Greenville street.
13 feet north from Prospect Hill avenue.
240 feet south from Prospect Hill avenue.
Opposite Chester avenue.
216 feet south from Washington street.
69 feet north from Maple street.
21 feet north from Somerville avenue.
172 feet south from Somerville avenue.
18 feet north from south line of Ward street.
91 feet south from Ward street.
46 feet south from South street.
17 feet south from Warren street.
220 feet south from Warren street.
Melrose street, 610 feet north from Mystic avenue.
Merriam street, 160 feet south from Washington street.
25 feet north from Charlestown street.
Michigan avenue, 258 feet north from Broadway.
Miller street, 300 feet west from Sacramento street.
Miner street, 137 feet north from Vernon street.
Mondamin court, 272 feet west from Ivaloo street.
Monmouth street, 7 feet west from Central street.
156 feet east from Harvard street.
Montrose street, 10 feet east from Sycamore street.
287 feet east from Sycamore street.
259 feet west from School street.
Moore street, 22 feet south from Holland street.
335 feet south from Holland street.
21 feet north from Mead street.
Moreland street, 345 feet north from Meacham street.
3 feet south from East Albion street.
Morgan street, 125 feet west from Park street.
Morrison avenue, 124 feet west from Cedar street.
44 feet east from Pearson avenue.
124 feet east from Rogers avenue.
13 feet west from Newberne street.
183 feet west from Clifton street.
33 feet west from Grove street.
Mossland street, 114 feet north from Somerville avenue.
Mt. Pleasant street, 140 feet south from Broadway.
135 feet north from Perkins street.

- Mt. Vernon street, 246 feet north from Washington street.
8 feet north from Pearl street.
7 feet south from Perkins street.
11 feet south from Lincoln avenue.
5 feet south from Broadway.
- Munroe street, 203 feet east from Walnut street.
6 feet west from Bigelow street.
289 feet west from Boston street.
- Murdock street, 204 feet east from Cedar street.
610 feet east from Cedar street.
- Museum street, 174 feet west from Beacon street.
- Myrtle street, 218 feet north from Washington street.
460 feet north from Washington street.
74 feet south from Pearl street.
219 feet north from Pearl street.
- Mystic avenue, 90 feet east from Union street.
3 feet west from Union street.
438 feet east from Austin street.
115 feet east from Austin street.
11 feet west from Fellsway West.
60 feet west from Temple street.
25 feet east from Melrose street.
228 feet west from Melrose street.
800 feet east from Moreland street.
544 feet east from Moreland street.
241 feet east from Moreland street.
6 feet west from Moreland street.
125 feet west from Fremont street.
- Mystic street, 148 feet north from Benedict street.
- Nashua street, 190 feet south from Wilton street.
- Newberne street, 62 feet south from Morrison avenue
- Newbury street, 15 feet south from Holland street.
260 feet south from Holland street.
558 feet south from Holland street.
777 feet south from Holland street.
200 feet north from Cambridge line.
- New Hampshire avenue, 87 feet north from Pennsylvania avenue.
74 feet south from Mystic avenue.
- Newton street, 9 feet west from Joseph street.
- Norfolk street, 27 feet south from Webster avenue.
227 feet south from Webster avenue.
- North street, 18 feet north from Broadway.
13 feet north from south line of Russell road.
453 feet north from Raymond avenue.
246 feet north from Bailey street.
190 feet north from city bound No. 17.
- North Union street, 287 feet north from Mystic avenue.
- Oak street, 8 feet west from Prospect street.
315 feet north from Houghton street.
- Oakland avenue, 109 feet west from Marshall street.
- Oliver street, 191 feet east from Cross street.
15 feet east from Glen street.
7 feet west from Franklin street.
- Orchard street, 8 feet west from Russell street.
West corner Milton street.
9 feet east from Chester street.
- Osgood street, 38 feet east from Granite street.
19 feet east from Loring street.

- Ossipee road, 177 feet east from Curtis street.
139 feet west from Packard avenue.
246 feet east from Packard avenue.
44 feet west from Mason street.
- Otis street, 12 feet west from Cross street.
440 feet west from Cross street.
9 feet east from Dana street.
6 feet east from Wigglesworth street.
- Oxford street, 280 feet west from School street.
46 feet east from Trull lane.
237 feet west from Hersey street.
- Packard avenue, 164 feet south from Electric avenue.
34 feet north from Electric avenue.
35 feet south from Powder House boulevard.
- Park avenue, 83 feet west from College avenue.
10 feet west from Chandler street.
- Park street, opposite Allen court.
187 feet north from Beacon street.
69 feet south from Somerville avenue.
- Partridge avenue, 5 feet south from Broadway.
26 feet north from Medford street.
117 feet south from Medford street.
421 feet south from Medford street.
276 feet north from Vernon street.
- Paulina street, 184 feet north from Holland street.
288 feet south from Broadway.
5 feet south from Broadway.
- Pearl street, 50 feet west from Crescent street.
7 feet north from Pinckney street.
29 feet east from Franklin street.
Opposite Hillside avenue.
15 feet west from Glen street.
90 feet east from Cross street.
3 feet east from Pearl terrace.
6 feet west from Walnut street.
72 feet east from Bradley street.
110 feet east from Marshall street.
- Pearson avenue, 309 feet north from Morrison avenue.
44 feet south from Frederick avenue.
308 feet north from Frederick avenue.
- Pearson road, 127 feet north from Broadway.
81 feet north from Warner street.
344 feet north from Warner street.
436 feet south from Dearborn road.
131 feet south from Dearborn road.
- Pembroke street, 14 feet east from Tennyson street.
- Pennsylvania avenue, 258 feet north from Broadway.
36 feet west from New Hampshire avenue.
- Perkins street, opposite Myrtle street.
78 feet east from Florence street.
24 feet east from Pinckney street.
56 feet east from Perkins place.
21 feet east from Mt. Pleasant street.
- Perry street, 324 feet south from Washington street.
- Pinckney street, 11 feet north from Washington street.
330 feet south from Pearl street.
71 feet south from Pearl street.
203 feet north from Pearl street.
- Pitman street, 180 feet west from Beech street.

- Pleasant avenue, 256 feet west from Walnut street.
Poplar street, 21 feet west from Joy street.
22 feet east from Linwood street.
Porter street, 1 foot north from Mountain avenue.
282 feet south from Summer street.
24 feet north from Williams court.
8 feet north from Parker place.
Powder House boulevard, 133 feet northwest from Broadway.
560 feet northwest from Broadway.
319 feet east from Packard avenue.
191 feet west from Packard avenue.
172 feet east from Curtis street.
197 feet west from Curtis street.
523 feet west from Curtis street.
336 feet east from North street.
597 feet east from North street.
50 feet east from North street.
381 feet north from North street.
48 feet east from Leonard street.
Prescott street, 330 feet south from Highland avenue.
536 feet south from Highland avenue.
257 feet north from Summer street.
Preston road, 269 feet west from School street.
166 feet south from Summer street.
Prichard avenue, 255 feet north from Morrison avenue.
46 feet north from Frederick avenue.
163 feet south from Boston avenue.
Princeton street, 175 feet west from Lowell street.
Professors row, 39 feet east from College avenue.
153 feet west from Boston avenue.
126 feet west from College avenue.
291 feet west from College avenue.
548 feet east from Packard avenue.
156 feet east from Packard avenue.
3 feet west from Packard avenue.
296 feet west from Packard avenue.
113 feet east from Curtis street.
Prospect street, 135 feet north from Bennett street.
7 feet west from Webster avenue.
185 feet south from Oak street.
403 feet south from Oak street.
63 feet north from Houghton street.
Prospect Hill avenue, 10 feet north from Munroe street
Putnam street, 116 feet south from Highland avenue.
420 feet south from Highland avenue.
612 feet north from Summer street.
308 feet north from Summer street.
46 feet north from Summer street.
Quincy street, 91 feet north from Somerville avenue.
381 feet north from Somerville avenue.
26 feet south from Summer street.
Radcliffe road, 1 foot west from James street.
Raymond avenue, 723 feet west from Curtis street.
Rhode Island avenue, 63 feet south from Mystic avenue.
80 feet north from Pennsylvania avenue.
Richardson street, 11 feet west from Nashua street.
Richdale avenue, opposite Thurston street.
Robinson street, 325 feet west from Central street.

- Rogers avenue, 369 feet south from Broadway.
257 feet north from Frederick avenue.
88 feet south from Frederick avenue.
255 feet north from Morrison avenue.
- Rossmore street, 244 feet south from Washington street.
- Rush street, 84 feet south from Pearl street.
11 feet north from Pearl street.
128 feet north from Brook street.
- Russell road, 11 feet north from Broadway.
312 feet north from Broadway.
- Sacramento street, 5 feet south from Miller street.
128 feet south from Beacon street.
- Sanborn avenue, 55 feet east from Walnut street.
- Sargent avenue, 474 feet south from Broadway.
361 feet west from Walnut street.
95 feet west from Walnut street.
- Sawyer avenue, 25 feet west from Packard avenue.
- School street, 31 feet south from Oakland avenue.
100 feet south from Maple avenue.
6 feet south from Montrose street.
128 feet north from Highland avenue.
88 feet north from Oxford street.
15 feet north from Avon street.
100 feet south from Summer street.
93 feet south from Preston road.
61 feet north from Knapp street.
- Sewall street, 311 feet west from Grant street.
- Shawmut street, 9 feet west from Washington street.
153 feet west from Shawmut place.
- Simpson avenue, 272 feet south from Broadway.
142 feet north from Holland street.
- Skehan street, 110 feet east from Hanson street.
- Skilton avenue, on east entrance, 173 feet south from south line of Pearl street.
- Somerville avenue, 96 feet west from Acadia park.
188 feet west from Mossland street.
308 feet east from Mossland street.
600 feet east from Mossland street.
116 feet west from Elm street.
9 feet east from Ibbetson street.
77 feet east from Belmont street.
14 feet west from Garden court.
133 feet west from Kent street.
13 feet west from Beech street.
11 feet east from Central street.
2 feet west from Abdell street.
15 feet west from Laurel street.
86 feet west from Granite street.
100 feet east from Granite street.
76 feet east from Hawkins street.
185 feet west from Hawkins street.
88 feet west from Quincy street.
105 feet east from Carlton street.
90 feet west from Prospect street.
28 feet west from Linden street.
9 feet east from Merriam street.
94 feet west from Mansfield street.
126 feet east from Medford street.
88 feet east from Poplar street.

- Somerville avenue, 145 feet west from Congress place.
13 feet east from Congress place on north side.
313 feet east from Congress place on south side.
882 feet west from East Cambridge line on south side, low level, under steps.
803 feet west from East Cambridge line on south side, high level, near bridge.
670 feet west from East Cambridge line on south side, high level.
650 feet west from East Cambridge line on north side, low level.
312 feet west from East Cambridge line.
215 feet west from East Cambridge line.
100 feet west from Cambridge line.
- South street, 97 feet west from Bedford street.
2 feet east from Harding street.
25 feet west from Hunting street.
80 feet west from Willow place.
- Spencer avenue, 290 feet west from Cedar street.
63 feet east from Hancock street.
- Spring street, 10 feet south from Pitman street.
184 feet north from Atherton street.
- Spring Hill terrace, 333 feet south from Highland avenue.
- Springfield street, 140 feet south from Concord avenue.
21 feet south from Dickinson street.
177 feet south from Houghton street.
- Stickney avenue, 212 feet west from Marshall street.
- Stone avenue, 120 feet north from Union square.
275 feet south from Columbus avenue.
- Summer street, 148 feet east from Cutter avenue.
Opposite Elston street.
West corner Hancock street.
34 feet east from Banks street.
6 feet east from Cherry street.
6 feet east from Cedar street.
24 feet east from Linden avenue.
Opposite Craigie street.
35 feet east from Porter street.
4 feet east from Lowell street.
3 feet east from Belmont street.
1 foot west from Spring street.
53 feet west from Harvard street.
215 feet east from Harvard street.
59 feet east from Central street.
19 feet west from Laurel street.
52 feet west from Preston road.
191 feet west from School street.
8 feet east from School street.
- Summit avenue, 231 feet east from Vinal avenue.
- Sunnyside avenue, 99 feet west from Wigglesworth street.
- Sunset road, 238 feet west from Curtis street.
119 feet east from Hillsdale road.
- Sycamore street, 18 feet south from Broadway.
62 feet south from Browning road.
1 foot south from Forster street.
200 feet north from Medford street.
174 feet south from Medford street.
- Sydney street, 418 feet east from Temple street.
- Talbot avenue, 488 feet east from Packard avenue.

- Taylor street, 14 feet south from Mystic avenue.
Teele avenue, 174 feet west from Packard avenue.
201 feet east from Curtis street.
- Temple street, 4 feet north from Broadway.
123 feet south from Sewall street.
11 feet north from Jaques street.
6 feet south from Derby street.
5 feet south from Sydney street.
- Tenney court, 306 feet north from Mystic avenue.
- Tennyson street, 4 feet south from Medford street.
117 feet north from Pembroke street.
- Thorndike street, 4 feet south from Holland street.
82 feet north from Kingston street.
- Thorpe street, 269 feet south from Highland avenue.
- Thurston street, 187 feet north from Medford street.
160 feet south from Evergreen avenue.
6 feet north from Evergreen avenue.
348 feet north from Evergreen avenue.
- Tower street, 18 feet north from Crown street.
- Tremont street, 9 feet south from Webster avenue.
454 feet south from Webster avenue.
- Trull street, 3 feet south from Medford street.
276 feet south from Medford street.
522 feet north from Vernon street.
270 feet north from Vernon street.
- Tufts street, 51 feet north from Washington street.
150 feet south from Glen street.
43 feet north from Glen street.
53 feet south from Dell street.
45 feet south from Cross street.
- Tyler street, 31 feet east from Vine street.
- Union square, 267 feet east from Webster avenue.
15 feet east from Stone avenue.
3 feet west from Bow street.
Centre of square.
- Union street, 3 feet north from Broadway.
123 feet south from Mystic avenue.
- Vermont avenue, 236 feet south from Mystic avenue.
- Vernon street, 72 feet west from Partridge avenue.
1 foot east from Bartlett street.
2 feet east from Miner street.
48 feet west from Central street.
- Victoria street, 255 feet south from Broadway.
506 feet south from Broadway.
151 feet north from Woodstock street.
- Villa avenue, 121 feet south from Winslow avenue.
- Vinal avenue, 6 feet south from Highland avenue.
10 feet north from Pleasant avenue.
129 feet north from Aldersey street.
206 feet north from Summer street.
15 feet north from Summer street.
- Vine street, 15 feet north from Beacon street.
Opposite Eliot street.
121 feet south from Tyler street.
32 feet south from Somerville avenue.
- Virginia street, 45 feet west from Aldrich street.
- Waldo street, 6 feet north from Highland avenue.
- Walker street, 150 feet north from Broadway.
212 feet east from Leonard street.

- Wallace street, 37 feet south from Broadway.
395 feet south from Broadway.
483 feet north from Park avenue.
166 feet north from Park avenue.
10 feet north from Holland street.
- Walnut road, 268 feet west from Walnut street.
- Walnut street, 88 feet south from Wellington avenue.
Opposite Radcliffe road.
87 feet north from Gilman street.
31 feet north from Pleasant avenue.
12 feet south from Boston street.
- Walter street, 28 feet west from Walnut street.
50 feet west from Bradley street.
- Ward street, 104 feet west from Medford street.
7 feet east from Emery street.
- Ware street, 258 feet west from Curtis street.
638 feet west from Curtis street.
- Warner street, 60 feet north from Broadway.
- Warren avenue, 5 feet north from Sanborn avenue.
48 feet north from Bow street.
7 feet south from Columbus avenue.
- Warwick place, 142 feet north from Warwick street.
- Warwick street, 426 feet east from Cedar street.
- Washington street, 69 feet west from Crescent street.
3 feet west from Waverley street.
West corner Mt. Vernon street.
3 feet west from Murray street.
6 feet west from Florence street.
15 feet west from Myrtle street.
2 feet east from Durant street.
18 feet east from Franklin avenue.
160 feet east from Franklin street.
58 feet west from Franklin street.
50 feet east from Shawmut street.
37 feet east from Rossmore street.
78 feet east from Boston street.
28 feet west from Mystic street.
6 feet west from Clark place.
156 feet west from Bonner avenue.
6 feet east from Kingman road.
243 feet east from Parker street.
50 feet east from Bowdoin street.
15 feet east from Perry street.
9 feet east from Leland street.
112 feet east from Dane street.
175 feet west from Dane street.
45 feet east from Beacon street.
62 feet east from Line street.
- Water street, 91 feet north from South street.
254 feet north from South street.
354 feet north from South street.
- Waterhouse street, 24 feet south from Broadway.
326 feet south from Broadway.
630 feet south from Broadway.
- Waverley street, 171 feet south from Washington street.
- Webster avenue, 37 feet south from Washington street.
190 feet south from Everett street.
167 feet north from Prospect street.
14 feet south from Prospect street.

- Webster avenue, 78 feet north from Tremont street.
 3 feet north from Beach avenue.
 1 foot south from Columbia court.
 Webster street, 25 feet east from Cross street.
 9 feet east from Rush street.
 Opposite Cutter street.
 Wellington avenue, 15 feet west from Montgomery avenue.
 Wesley street, 200 feet north from Pearl street.
 Wesley park, 16 feet north from Bow street.
 335 feet north from Bow street.
 West street, 92 feet south from Highland avenue.
 140 feet north from Highland avenue.
 West Adams street, 200 feet north from Conwell avenue.
 480 feet north from Conwell avenue.
 Westminster street, 156 feet south from Electric avenue.
 Weston avenue, 196 feet south from Broadway.
 West Quincy street, 88 feet north from Bailey street.
 Westwood road, 90 feet west from Central street.
 58 feet east from Benton road.
 Wheatland street, 129 feet north from Broadway.
 9 feet south from Jaques street.
 73 feet north from Derby street.
 78 feet north from Mystic avenue.
 Whipple street, 101 feet north from Highland avenue.
 Whitfield road, 85 feet west from Packard avenue.
 Whitman street, 210 feet east from Packard avenue.
 169 feet west from Mason street.
 Wigglesworth street, 14 feet north from Pearl street.
 William street, 8 feet east from Chandler street.
 Willoughby street, 146 feet west from Sycamore street.
 Willow avenue, 280 feet south from Summer street.
 14 feet north from Summer street.
 3 feet north from Lexington avenue.
 46 feet south from Morrison avenue.
 42 feet south from Fosket street.
 85 feet south from Frederick avenue.
 171 feet north from Frederick avenue.
 Opposite Mallet street.
 Wilton street, 6 feet east from Nashua street.
 8 feet west from Henderson street.
 10 feet east from Hinckley street.
 Windom street, 7 feet south from Summer street.
 Windsor road, 86 feet east from Willow avenue.
 45 feet west from Hancock street.
 Winslow avenue, 145 feet east from College avenue.
 5 feet west from Grove street.
 224 feet east from Grove street.
 8 feet west from Clifton street.
 Winter street, 130 feet east from Holland street.
 Wisconsin avenue, 210 feet south from Pennsylvania avenue.
 Woodbine street, 222 feet west from Centre street.
 Woodstock street, 67 feet west from Victoria street.
 Wyatt street, 8 feet south from Taunton street.

List of Private Hydrants Supplied from the City of Somerville Mains.

John P. Squire & Co.	12
North Packing and Provision Co.	10
New England Dressed Meat and Wool Co. , . . , .	5

Boston & Maine Railroad	14
Union Glass Works	1
Fresh Pond Ice Co.	1
American Tube Works	2
Middlesex Bleachery	3
Edison Electric Light Co.	1

Locations of Waterposts.

- 1—Albion street, 83 feet west from Centre street.
- 2—Appleton street, 49 feet west from Willow avenue.
- 3—Bartlett street, 26 feet south from Broadway.
- 4—Beacon street, 33 feet north from Concord avenue.
- 5—Beacon street, 135 feet east from Washington street.
- 6—Beacon street, 33 feet west from Vine street.
- 7—Beacon street, 94 feet east from Sacramento street.
- 8—Bolton street, opposite Baxter school.
- 9—Bonair street, 19 feet west from Wigglesworth street.
- 10—Bond street, 14 feet north from Broadway.
- 11—Boston avenue, opposite Prichard avenue.
- 12—Boston street, 107 feet west from Greenville street.
- 13—Broadway, 75 feet west from Fellsway East.
- 14—Broadway, 6 feet west from City road.
- 15—Broadway, 6 feet west from Irving street.
- 16—Broadway, 120 feet west from Clarendon avenue.
- 17—Cameron avenue, 6 feet north from Glendale avenue.
- 18—Cedar street, 96 feet south from Morrison avenue.
- 19—Central street, 89 feet north from Highland avenue.
- 20—Cherry street, 161 feet south from Fairlee street.
- 21—Cleveland street, 169 feet east from Harvard street.
- 22—Columbus avenue, 54 feet east from Walnut street.
- 23—Concord avenue, opposite Knapp school.
- 24—Cross street east, 64 feet north from Broadway.
- 25—Curtis street, 50 feet east from Professors row.
- 26—Dana street, 30 feet east from Pearl street.
- 27—Francesca avenue, 50 feet east from College avenue.
- 28—Franklin street, 127 feet south from Broadway.
- 29—Frederick avenue, 66 feet east from Willow avenue.
- 30—Gilman street, 63 feet east from Walnut street.
- 31—Grove street, 19 feet south from Highland avenue.
- 32—Jaques street, 159 feet west from Grant street.
- 33—Laurel street, 20 feet south from Summer street.
- 34—Liberty avenue, 46 feet south from Broadway.
- 35—Linwood street, 70 feet west from Poplar street.
- 36—Lowell street, opposite Crown street.
- 37—Lowell street, 34 feet north from Highland avenue.
- 38—Lowell street, 102 feet north from Wilton street.
- 39—Meacham road, 39 feet west from Dover street.
- 40—Medford street, 20 feet north from South street.
- 41—Medford street, 24 feet north from Highland avenue.
- 42—Medford street, at Gilman square. In combination with drinking.
- 43—Medford street, 19 feet east from Glenwood road.
- 44—Montrose street, 204 feet west from School street.
- 45—Moreland street, 28 feet north from Meacham street.
- 46—Mt. Vernon street, 71 feet south from Broadway.
- 47—Mystic avenue, 33 feet west from Union street.
- 48—Orchard street, 107 feet west from Dover street.
- 49—Otis street, 127 feet west from Cross street.

- 50—Packard avenue, 55 feet southwest from Powder House boulevard.
 51—Paulina street, 26 feet east from Holland street.
 52—Pearl street, 28 feet east from Myrtle street.
 53—Pleasant avenue, 104 feet west from Walnut street.
 54—Prospect street, 30 feet north from Somerville avenue.
 55—Putnam street, 96 feet north from Summer street.
 56—School street, 116 feet south from Broadway.
 57—School street, 50 feet north from Berkeley street.
 58—Shawmut street, 74 feet north from Shawmut place.
 59—Somerville avenue, 871 feet west from East Cambridge line.
 60—Somerville avenue, 150 feet west from Congress place.
 61—Somerville avenue, 89 feet east from Mystic street.
 62—Somerville avenue, 119 feet west from School street.
 63—Somerville avenue, 35 feet east from Central street.
 64—Somerville avenue, 92 feet west from Kent street.
 65—Somerville avenue, 120 feet west from Oak square.
 66—Somerville avenue, 42 feet east from Mossland street.
 67—Summer street, 14 feet east from Belmont street.
 68—Summer street, 32 feet east from Cedar street.
 69—Summer street, 35 feet east from Cutter avenue.
 70—Sycamore street, 28 feet west from Medford street.
 71—Temple street, 31 feet north from Broadway.
 72—Tremont street, 120 feet south from Webster avenue.
 73—Vernon street, 45 feet west from Central street.
 74—Washington street, 96 feet west from Myrtle street.
 75—Washington street, 7 feet west from Boston street.
 76—Washington street, 34 feet west from Union square.
 77—Washington street, opposite Leland street.
 78—Wheatland street, 30 feet south from Mystic avenue.

Locations of Drinking Fountains.

Broadway, opposite park, near Fellsway East H & D
 Somerville avenue, near Prospect street, H & D
 Union square, in front of Hill building . . . D I
 Gilman square D I
 Gilman square Combination W P & H
 Cutter square C
 Davis square, in front of Medina building . . . D I
 Teele square Combination H & D
 Broadway, opposite City Field H & D

H, horse trough; D, drinking fountain; I, ice water; C, combination trough and drinking fountain; W P., waterposts.

Summary of Statistics.

FOR THE YEAR ENDING DECEMBER 31, 1914.

In form recommended by the New England Water Works Association.

SOMERVILLE WATER WORKS.

SOMERVILLE, MIDDLESEX COUNTY, MASS.

GENERAL STATISTICS.

Population, census 1910, 77,236; present, estimated 85,000.

Date of construction: commenced in 1868.

By whom owned: City of Somerville.

Source of supply: Metropolitan water system.

Mode of supply: Water is delivered into the city's mains, under both high and low pressures, by the Metropolitan Water Works.

STATISTICS OF CONSUMPTION OF WATER.

Estimated total population at date, 85,000.
 Estimated population on lines of pipe, 85,000.
 Estimated population supplied, 85,000.
 Total consumption for the year, 2,262,946,000 gallons.
 Average daily consumption, 6,199,800 gallons.
 Gallons per day to each inhabitant, 73.

STATISTICS RELATING TO DISTRIBUTION SYSTEM, 1914.**MAINS.**

Kind of pipe, cast-iron.
 Sizes, from 4-inch to 20-inch.
 Laid 5,708 feet; discontinued 150 feet; net extension, 5,558 feet.
 Total now in use, 99.7 miles.
 Number of leaks per mile, .8.
 Number of hydrants added during year (public, 15; private, 1), 16.
 Number of hydrants (public and private) now in use, 1,190.
 Number of stop gates added during year, 29.
 Number of stop gates now in use, 1,628.
 Number of blow-offs, 166.
 Range of pressure on mains, 35 pounds to 100 pounds.

SERVICES.

Kind of pipe: Lead: wrought iron—lead-lined; wrought iron—cement-lined; cast iron.
 Sizes, one-half to eight inches.
 Extended less discontinued, 7,668 feet.
 Total now in use, 85.12 miles.
 Number of service taps added, 232; discontinued, 25; net increase, 207.
 Number now in use, 13,034.
 Number of meters added, 721; discontinued, 76; net increase, 645.
 Number now in use, 8,499.
 Percentage of services metered, 65.
 Percentage of receipts from metered water, 70.
 Numbers of motors and elevator registers added, 0; removed, 2.
 Number now in use, 5 (included in number of meters).

FINANCIAL STATISTICS.

REVENUE.		EXPENDITURES.	
From Water Rates:—		Water Works Maintenance:—	
Fixture rates	\$68,665.44	Operation (management, repairs	
Meter rates	165,282.07	and renewals)	\$40,457.11
Total from consumers	\$233,947.51	Special:—	
From other sources:—		Miscellaneous accounts . .	4,403.13
Water service assessments	4,223.54	Total maintenance	\$44,860.24
Labor and materials . .	4,403.13	Interest on bonds	1,260.00
		Payment of bonds	6,000.00
		Water Works Construction:—	
		Mains	\$7,748.31
		Services	5,283.18
		Meters	4,258.22
		Total construction	\$17,289.71
		Unclassified expenses:—	
		Pensions	657.58
		Metropolitan water assessment . .	109,999.13
		Balance:—	
		Ordinary	62,507.52
		Total balance	62,507.52
Total	\$242,574.18	Total	\$242,574.18

Disposition of balance: applied to municipal purposes.
 Cost of works to date \$991,346.10
 Bonded debt at date 26,000.00
 Average rate of interest, 4 per cent.

REPORT OF CHIEF ENGINEER OF FIRE DEPARTMENT.

Somerville, Mass., December 31, 1914. }
 OFFICE OF FIRE DEPARTMENT, }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—I have the honor of presenting to you for your consideration the annual report of the fire department for the year ending December 31, 1914:—

Alarms of Fire.

Number of bell alarms	266
Number of still alarms	439
Total alarms	705
Number in excess of 1913	16
Value of buildings at risk	\$767,768 00
Insurance on buildings	548,182 00
Damage to buildings	121,490 50
Value of contents	460,069 40
Insurance on contents	250,297 40
Damage to contents	101,437 54
Total value at risk	1,227,837 40
Total insurance	798,479 40
Total damage	222,928 04

List of Probable Causes.

Automobiles and garages	10
Burning rubbish	5
Bed clothing in contact with gaslight	3
Bed clothing in contact with stove	6
Burst water front in stove	1
Bonfires	11
Clothing in contact with lamp	2
Children playing with matches	18
Charcoal furnace	2
Cigars and cigarettes	12
Candle left burning	2
Combustion	3
Clothing in contact with stove	5
Dropping lighted match on floor	2
Defective gas fixture	2
Defective chimney	14
Drying plaster	3
Electric wires	8
Electric car	2
False alarm	15
Fire in Charlestown	2
Fire in Cambridge	3
Fire in Medford	3
Fire cracker on roof	2
Gas explosion	2
Gas range	1
Grass and dump fire	7
Heating japan	3
Hot flatiron in bed	1

Heating tar on stove	1
Hot ashes in wooden barrel	8
Incendiary	10
Jack-o'-lantern	1
Light mistaken for fire	5
Leaking gas	3
Overtured oil lamp	5
Overheated oil lamps and stoves	11
Overheated heaters	5
Power left on electric iron	1
Plumber's furnace	3
Papers in stove oven	1
Paint in stove oven	1
Rats and matches	6
Smoke from stove	5
Snap match	3
Smoke and steam mistaken for fire	4
Spark from forge	1
Spark from roofer's furnace	1
Spark in sawdust	1
Spark from locomotive	7
Spark from tobacco pipe	18
Thawing water pipe	5
Tar kettle	3
Unknown	8

Service of Companies in Fire Department, Year 1914.

	Engine 1.	Engine 2.	Engine 4.	Engine 6.	Hose 2.	Hose 3.	Hose 5.	Hose 7.	Ladder 1.	Ladder 2.	Ladder 3.	Totals.
Bell alarms responded to . . .	191	113	94	53	86	139	137	104	131	96	55	266
Still alarms responded to . . .	66	36	29	77	72	50	29	38	18	9	15	439
Miles traveled . . .	513½	241	163¾	162¼	514	190	454	251	153	271	66	2,979¼
Feet of 2½ inch hose used . . .	22,200	12,200	12,350	12,700	20,250	17,600	14,950	20,650	. . .	. . .	. . .	132,900
Feet of chemical hose used . . .	12,950	. . .	. . .	4,100	4,350	16,500	17,250	14,750	. . .	. . .	3,600	73,500
Feet of ladders used . . .	60	47	95	. . .	. . .	. . .	265	. . .	3,154	3,069	1,814	8,504
Chemical extinguishers used . . .	20	9	33	. . .	. . .	. . .	. . .	. . .	18	1	6	87
Gallons of chemical used . . .	1,800	. . .	. . .	1,438	21,50	3,205	2,880	3,840	. . .	. . .	928	16,241
Times on duty at other stations . . .	. . .	3	3	4	. . .	1	1	. . .	. . .	. . .	. . .	12
Times responded out of town . . .	14	12	. . .	35	19	16	7	. . .	4	. . .	. . .	107

In Memoriam

JAMES I. KING

Hoseman

Engine Co. No. 4

Appointed April 1, 1891

Died July 28, 1914.

Manual Force.

During the year two (2) men have resigned, and one (1) has died; one (1) permanent man has been appointed from the eligible list of the classified service, and two (2) callmen have been promoted to the permanent force under Chap. 487, Acts of 1913. The force of the department now consisting of seventy-two (72) permanent and twenty-six (26) callmen, as follows:—

- 1 Chief Engineer.
- 1 First assistant engineer.
- 1 Second assistant engineer.
- 7 Captains.
- 11 Lieutenants.
- 4 Enginemen.
- 4 Assistant enginemen.
- 43 Permanent men.
- 26 Callmen.

Apparatus.

The department apparatus consists of the following:—

- 1 Second size, horse drawn steam fire engine.
- 2 Third size, horse drawn steam fire engines.
- 3 Horse drawn combination chemical engine and hose wagons.
- 2 Horse drawn hose wagons.
- 1 Horse drawn combination ladder truck and chemical engine.
- 1 Horse drawn ladder truck.
- 1 Motor driven ladder truck.
- 3 Motor driven combination chemical engine and hose wagons.
- 1 Tractor drawn steam fire engine.
- 1 Motor driven chemical engine.
- 1 Automobile Chief's car.
- 2 Four wheel buggies for assistant chiefs.
- 1 Horse drawn relief hose wagon.
- 7 Horse drawn exercising wagons.
- 1 Horse drawn supply wagon.

Horses.

There are thirty-one (31) horses in the department, seven having been disposed of during the year owing to the replacement of horse-drawn apparatus by motor driven apparatus.

Two (2) horses were transferred to the Highway Department, one (1) to the Water Department, one (1) to the Health Department, and three (3) disposed of at private sale.

Many of the department horses will have to be replaced in the near future as the greater part of them are getting along in years, there having been but five horses purchased in the past six years.

Hose.

The amount of serviceable hose in the department is 10,300 feet of two and one-half inch rubber lined cotton hose and 2,150 feet of three-quarter inch chemical hose.

There has been purchased 2,300 feet of new hose, and 1,500 feet condemned and junked.

There must be 2,000 feet purchased next year.

Brief Resume.

The fire loss has been increasing, the past two years, all too rapidly; there have been a number of fires causing a considerable financial loss, but in every instance the fire had gained extraordinary headway before the alarm was sounded; there were six such fires with a loss in excess of \$10,000 each.

The three months of January, February and April carried with them more than one-half of the total loss of the year as is shown by the following table giving the fire losses by months:—

January	.	.	.	.	.	.	.	.	.	\$29,998 93
February	.	.	.	.	.	.	.	.	.	36,551 22
March	.	.	.	.	.	.	.	.	.	4,471 56
April	.	.	.	.	.	.	.	.	.	59,318 00
May	.	.	.	.	.	.	.	.	.	9,386 00
June	.	.	.	.	.	.	.	.	.	13,575 85
July	.	.	.	.	.	.	.	.	.	22,740 25
August	.	.	.	.	.	.	.	.	.	6,456 53
September	.	.	.	.	.	.	.	.	.	2,287 00
October	.	.	.	.	.	.	.	.	.	2,447 70
November	.	.	.	.	.	.	.	.	.	15,171 75
December	.	.	.	.	.	.	.	.	.	20,543 25

\$222,928 04

There have been twenty-nine fires with an insurance loss exceeding \$1,000, as follows:—

On the first day of the new year box 435 was sounded at 11.20 P. M., for which a second alarm was sounded at 11.30 P. M., for a difficult fire at 674-692 Broadway, a block of nine stores owned by Joseph Cohen, and George N. Blake Co., and occupied by Caragianos Bros., Mrs. J. M. Allen, Mrs. L. H. Gray, George E. Rogers, M. O'Keefe, Vincent DeFeo, S. Sanderman, S. D. Orne, Fred A. Connolly and the George N. Blake Co.; the damage to the building was \$9,971, and to the contents \$18,577.93. Cause, unknown.

February 8, 8.29 P. M. Box 225, 19 Warren avenue, building owned and occupied by John Pierce; damage to building, \$1,129; to contents, \$400. Cause, overheated furnace pipe.

February 10, 7.42 A. M., Box 421, 7 Albion street, building owned by Mrs. Nellie Haggerty; occupied by Emma A. White, P. D. Hodgkins and F. J. Hanson, Jr.; damage to building, \$1,750; to contents, \$75. Cause, stove pipe too near woodwork in kitchen.

February 11, 11.25 A. M. Box 334, 400 Mystic avenue, owned and occupied by Walter Gordon; damage to buildings, \$2,208.60; to contents, \$932.72. Probable cause, incendiary.

February 12, 2.35 P. M. Box 72, 157 to 163 North street, three houses owned by Frank C. Friend, one occupant, Ashdown; damage to buildings, \$14,500; to contents, \$1,000. Cause, overheated heater.

February 21, 11.15 P. M. Box 48, 1119-1133 Broadway, owned by Jacob S. Levin, occupants Samuel Polson, N. R. Sylvester, M. D., Henry L. D. Fiscus, H. Dixon, D. DeRoche, H. W. Ford, Teele Sq. Hardware Co., Caragianis Bros., J. M. Dwyer; damage to building, \$5,100; to contents, \$7,324.50 Cause, probably incendiary.

February 24, 10.31 A. M. Box 19, 142-144 Medford street, owned by J. B. Elkins, occupied by owner, J. F. Doherty and Sanford E. Clark; damage to building, \$700; to contents, \$500. Cause, spark from tobacco pipe.

March 15, 11.19 P. M. Box 229, 384 Washington street, dwelling owned by J. J. Dewire Estate, occupied by Michael C. Flynn; damage to building, \$1,204; to contents, \$766. Cause, kindling against furnace.

April 12, 11.08 A. M. Box 28, Middlesex Bleachery, owned and occupied by K. S. Gilmore Co.; damage to building, \$10,000; to contents \$13,000. Cause, unknown.

April 14, 11.35 A. M. Box 445, 19-21 Kingston street, dwellings owned by F. S. Cummings and J. H. Haggerty; occupied by C. F. Austin, Gustav M. Johnson, J. D. Gilcreast, George Crockett and John Phillips; damage to buildings, \$2,204; to contents, \$251. Cause, clothing in contact with gas range.

April 22, 5.30 P. M. Boxes 156 and 157, B. & M. R. R. coal pockets and Dixon & Eddy; damage to buildings, \$20,532; to contents, \$6,769.40. Cause, locomotive spark.

April 30, 6.17 A. M. Box 15, 54 Washington street, building owned by Catherine Fitzgerald; occupied Fitzgerald Bros., teamsters; damage to building, \$2,967; to contents, \$3,000. Cause, carelessness with matches.

May 15, 4.40 A. M. Box 442, 81 Holland street, store owned by Hilson Associates; occupied by Charles Steinkrauss; damage to building, \$1,200; to contents, \$1,315. Cause, rats and matches.

May 16, 7.40 A. M. Box 412, 7 Dante terrace, building owned by J. E. Locatelli; occupied by Somerville Wood Working Co.; damage to building, \$1,200; to contents, \$800. Cause, spark in sawdust bin.

May 17, 1.00 A. M. Box 412, 7 Dante terrace, stable owned by J. E. Locatelli, occupied by Somerville Wood Working Co.; damage to building, \$950; to contents, \$800. Cause, defective wiring.

May 18, 3.15 P. M. Box 23, buildings owned by James J. Galvin, Mrs. Catherine Haverty, Puritan Desk Co., and

Nathan Weiner; damage to buildings, \$1,273; to contents, \$50. Cause, incendiary.

June 2, 1.02 A. M. Box 42, 292-294 Beacon street, buildings owned by Charles M. Berry, occupied by Barney Levison et al.; damage to buildings, \$1,300; to contents, \$550. Cause, spark from cigarette.

June 17, 12.55 A. M. Box 223, 24-26 Maple street, dwelling owned by John F. Elkins, occupants Thomas Daley and Thomas McCue; damage to building, \$1,002; to contents, \$50. Cause, defective chimney.

June 21, 12.21 A. M. Box 14, stable at 105 Cross street, owned by Mrs. Mary E. Thomas, occupant C. W. Thomas; damage to building, \$1,020; to contents, \$1,500. Cause hot ashes in wooden receptacle.

June 25, 12.29 P. M. Box 447, 95 College avenue, garage owned and occupied by Harvey D. McGray, dwelling of G. C. Mahoney, M. D., and club house of Fred F. Stockwell, Jr.; damage to buildings, \$2,390; to contents, \$4,665. Cause, gasoline explosion.

July 8, 10.19 P. M. Box 17, dwelling at 101 Perkins street, owned and occupied by Michael Reardon; damage to building, \$1,150; to contents, \$2,253.25. Cause, lamp explosion.

July 21, 6.42 A. M. Box 223, garage at 41-43 Maple street, owned and occupied by Jackson & Newton Co.; damage to buildings, \$5,150; to contents, \$12,288. Cause, back-fire in auto.

August 11, 7.41 P. M. Boxes 28 and 42, unoccupied factory building at 267 Beacon street, owned by Joseph Klein; damage to building, \$2,000. Cause, incendiary.

August 25, 9.04 A. M. Box 119, dwelling at 90 Pearl street, owned and occupied by Adolph Weinberg; damage to building, \$1,724; to contents, \$1,299.82. Probable cause, incendiary.

September 5, 3.55 P. M. Box 73, dwelling at 106 Bromfield road, owned by William J. Johnston, occupants J. W. Sears and C. H. Hathaway; damage to building, \$1,414; to contents, \$717. Cause, unknown.

November 3, 4.07 A. M. Box 435, block of stores at 652-656 Broadway, owned by W. P. Rice Estate, occupants F. S. McDermott and Cicollo Bros.; damage to building, \$750; to contents, \$779.75. Cause, careless smoker.

November 18, 1.43 A. M. Box 116, storehouse on Garfield avenue, owned by F. O. Reed Estate, occupant American Hide and Leather Co.; damage to building, \$465; to contents, \$10,185. Cause, from dump fire.

December 10, 8.19 A. M. Box 72, 221-223 Powder House boulevard, dwelling owned by Otto Olson; occupied by August Johnson, H. M. Emery and C. W. Farnum; damage

to building, \$924; to contents, \$167.50. Cause, hot ashes in barrel.

December 21, 7.08 A. M. Box 15, 78-80-82-84 Washington street, cooerage of M. F. Durant, and iron foundry of N. H. Reed and Son; damage to buildings, \$10,200; to contents, \$7,338.50. Cause, unknown.

On the first day of the year three new pieces of motor-driven apparatus were put into service replacing horse-drawn machines that had become old and worn out.

The efficiency of this class of equipment is unquestioned and the past year has given opportunity of making a comparison of operating expenses; the reports show that the horse-drawn apparatus of 1913 cost approximately three times that of the motor apparatus of 1914.

	horse-drawn 1913	motor-driven 1914
Engine No. 1 and tender	\$1,108 48	\$438 80
Ladder No. 2	526 85	108 08

The almost universal use of gasoline has led to unwarranted carelessness in its handling, the general public are familiar with its advantages, but, if known, are unmindful of its great dangers to life and property.

The city is dotted with garages, totaling 589 buildings, housing no less than 1,474 automobiles, Fires in this class of property has caused a loss of more than \$40,000 the past year. Extreme care should be exercised in and about garages, a fire started in buildings in which gasoline is stored, and used means a complete annihilation of that building and possibly those adjoining.

Children playing with matches, and careless pipe smokers divide the honors of being responsible for more fires than from any other causes, parents that leave matches around loose, where there are children, are criminally negligent, for not infrequently the child is burned to death, or maimed for life; keep your matches in metal receptacles and above the reach of the child, this is the kindergarten class in fire prevention, there is no rule that can be laid down for careless pipe smokers, only that they are old enough to know better.

Defective chimneys have again contributed largely towards making the fire loss excessive, this negligence will probably be taken care of shortly by a passage of an act by the legislature making persons pay the damage occasioned to others by their negligent act, a fire caused by a dirty or defective chimney would certainly be classified under this act.

Hot ashes in wooden receptacles are a source of grave danger as fires from this cause generally develop after retiring time at night, and when discovered the halls and stairways are filled with blinding and suffocating smoke thereby

making escape perilous and doubtful; I strongly urge the compulsory use of metal barrels for ashes.

During the year building inspection by the fire department was systematized by dividing the city into eight sections or divisions under the supervision of the eight captains; in accordance with this plan there were 1,389 inspections and reports filed, in every instance the inspecting officer was courteously received by owner or occupant, and every assistance rendered, with but two exceptions suggestions of correction were readily agreed to, and promptly complied with.

One of the greatest problems confronting the people of this country today, and one that is giving the greatest concern, is the tremendous annual fire waste, which, in 1914, amounted to more than 235 millions of dollars, the people are waking up to this unnecessary property loss, and in addition to equipping its communities with the most up-to-date fire-fighting machines, they are seeking ways and means of prevention.

On the first day of August, Somerville was included in what is known as the Metropolitan District to provide for the better prevention of fires and the fire department has had put upon it, if properly carried out, an immense amount of inspection, instruction and detail work.

It is apparent that the time has arrived when greater effort must be put forth to prevent fires than to extinguish them when they are with us, and this can only be accomplished by the people themselves co-operating with the fire department.

The fact that one's property is fully insured should not relieve him of watchfulness or permit carelessness, fire loss is absolutely irretrievable, labor and material are utterly lost; the insurance upon a building does not bring back the property destroyed, it simply equalizes the loss between all others whose property is insured.

Recommendations.

It is a recognized fact that a fire department, however well equipped, well-trained or how willing and zealous are its members in the performance of their duties, can never attain the highest degree of efficiency without the aid of an adequate and reliable fire alarm system, nothing can tend more to the protection of life and property than a system for transmitting a rapid alarm of fire, therefore I urge an immediate installation of a new and up-to-date fire alarm.

Again I reiterate the immediate necessity of motorizing the horse-drawn combination chemical engine and hose wagon located on Marshall street, Winter Hill. This piece of

apparatus covers a considerable area, including some valuable properties, its present motive power is inadequate for needed efficiency, the same conditions obtain relative to answering Winter Hill and Medford line boxes as last year, furthermore, the department is in need of new horses and the motorizing of this machine will release two horses, thereby rendering the purchase of more horses unnecessary.

Something must be done immediately to provide proper engine equipment for Engine No. 2 Station. At the beginning of the year the Third size Silsby engine having had many break downs, was repaired, and set aside as a relief engine, to be used only in emergency or temporary service, and there was transferred to this station a Second size Silsby that had been in service twenty-four years; three times within a year this engine has given out at a critical time and at present is out of service, to repair it will be expensive, furthermore, the type of pump is obsolete, unreliable and inefficient.

I recommend the purchase of a new tractor-drawn engine and the old engine be sold for whatever can be secured in trade.

I deprecate the use of hydrants for anything except the purpose of extinguishing fires and recommend the passage of an ordinance forbidding the opening of hydrants except under the supervision of a member of the Water works department.

Again I recommend the re-enactment of that part of Chap. 20, sect. 60 of the Revised Ordinances relative to repairing roofs.

In accordance with Chap. 655 of the Acts of 1913, this ordinance can be made effective. I also urge that an open space of not less than ten feet be required between all wooden buildings.

Two-thirds of the number of fires are responded to without sounding a bell alarm (still alarms so called) and this class of fires is handled exclusively by the permanent force, if the bells had been sounded for every alarm of fire for the past year the total would have been 705.

The still alarm for fire is rapidly increasing from year to year, and that this class of fires may be safely and efficiently handled, the manual force must of necessity be composed of permanent men.

Fourteen more permanent men will place this department upon a satisfactory basis, and I recommend its establishment at the earliest possible moment.

In Conclusion.

In concluding my report I desire to state that it affords me great pleasure to testify to the loyal support rendered me by His Honor, the Mayor, and Your Honorable Board,

I also take this opportunity to commend the officers and members of the department for their faithfulness and efficiency.

The personnel of the department is of a very high order, the harmony amongst the men and their earnestness to maintain the reputation of the department have contributed largely to the work done and good results accomplished.

Respectfully submitted,

SEWALL M. RICH,

Chief Engineer.

REPORT OF THE CHIEF OF POLICE.

OFFICE OF CHIEF OF POLICE, }
CITY OF SOMERVILLE, February 14, 1915. }

To the Honorable, the Mayor, and Board of Aldermen of the City of Somerville:—

Gentlemen,—I herewith respectfully submit for your consideration my sixth annual report as chief of police, giving in detail the amount of work performed by the police department for the year ending December 31, 1914:—

Arrests.

Whole number of arrests made		1,807
With and without warrants	1,527	
On summons and notification	280	
	<hr/>	1,807
Males	1,697	
Females	110	
	<hr/>	1,807
Americans	1,187	
Foreign born	620	
	<hr/>	1,807
Residents	985	
Non-residents	822	
	<hr/>	1,807

1—Crimes and Offenses Against the Person.

Assault on officers	4	
Assault with dangerous weapon	7	
Assault with intent to abuse female child	1	
Assault with intent to murder	4	
Assault and battery	117	
Carnal abuse of female child	1	
Manslaughter	4	
Rape	1	
Robbery	3	
Threats	1	
	<hr/>	143

2.—Crimes and Offenses Against Property.

Breaking and entering, accessory to	1	
Breaking and entering, attempt	9	
Breaking and entering	63	
Breaking and entering railroad car	7	
Breaking glass, wantonly	1	
Burning building	1	
Kidnap, attempt to	1	
Larceny, attempt	1	
Larceny	135	
Larceny from person	1	
Larceny in building	10	
Malicious mischief	2	
	<hr/>	232
Carried forward		

Brought forward	232
Personal property, concealment of	1
Receiving stolen goods	3
Trespass	238
Unlawful appropriation of horse	2
Unlawful appropriation of vehicle	2
Unlawful diversion of electricity	1
Wilful injury to real estate	1

480

3—Crimes and Offenses Against Public Order, etc.

Abortion	1
Abortion, accessory to	1
Abortion, witness to	3
Bail surrender	6
Bastardy	1
Begetting woman with child	3
Burglar tools, in possession of	1
Carrying revolver without license	4
City ordinances, violation of	78
Cruelty to animals	7
Default	8
Desertion of wife	2
Disturbing the peace	14
Disturbing public assembly	1
Disturbing religious assembly	6
Dog keeping, unlicensed	3
Doing business without filing certificate with city clerk	542
Drunkenness	542
Drunkenness, common	14
Fireworks, unlawful sale of	1
Forgery	2
Fornication	1
Fugitives from justice	2
Gasoline keeping without permit	1
Giving false weight of ice	1
Idle and disorderly	6
Impersonating police officer	1
Indecent exposure of person	3
Indecent pictures, in possession of	1
Interrupting funeral procession	2
Lewd cohabitation	2
Lewdness	1
Neglected children	14
Neglect of family	85
Neglect to support illegitimate children	4
Parole, revoke of	2
Peddling without license	5
Perjury	1
Safe keeping, delirium tremens	1
Safe keeping, delivered to police court	1
Safe keeping, demented	17
Safe keeping, feeble minded	7
Safe keeping, infirm	2

Carried forward

850

Brought forward	850
Safe keeping, insane	7
Safe keeping, runaway boys	17
Safe keeping, runaway girls	2
Safe keeping, runaway from Home for Feeble Minded	1
Securing signature by false pretences	2
Selling horse unfit for labor	1
Stragglers from United States Navy	3
Stubbornness	21
Suspicious persons	2
Throwing missiles at railroad car	1
Unlawfully attempting to ride on freight cars	20
Unlawfully riding on freight cars	13
Unlawfully using registered bottles	3
Uttering forged instrument	2
Vagrants	13
Violation of automobile laws	43
Violation of drug laws	1
Violation of food laws	3
Violation of labor laws	1
Violation of Lord's Day	72
Violation of milk laws	11
Violation of oleomargarine laws	4
Violation of parole	2
Violation of parole from Massachusetts Re- formatory	1
Violation of parole from Middlesex County Training School	1
Violation of terms of probation	24
Walking on railroad track	53

1,184

Recapitulation.

(1) Crimes and Offenses Against the Person	143
(2) Crimes and Offenses Against Property	480
(3) Crimes and Offenses Against Public Order, etc.	1,184

Whole number of arrests made	1,807
Bailed to appear at other courts	7
Cases in which nolle prosequi was entered	16
Delivered to jail at East Cambridge, bail sur- render, etc.	11
Delivered to police court, Somerville vio., prob. etc.	27
Delivered to superior court, bail surrender, etc.	4
Delivered to United States Naval Training Sta- tion, Newport, stragglers	2
Delivered to United States navy yard, straggler	1
Released by probation officer, drunkenness	36
Released from custody, suspicious persons	2
Surrendered to other officers, institutions, etc.	106
Witness to abortion	1
Witness recognized to appear at police court	1
Witness recognized to appear at superior court	1
Cases in which no prosecution was made in Som- erville.	215

Number of cases held for trial 1,592

Note:—Two hundred and sixty of the above number of cases were juveniles and delinquents.

Miscellaneous Reports.

Abandoned automobiles found	7
Abandoned motor-cycle found	1
Abandoned sleigh found	1
Accidental poisoning	1
Accidental shooting by air rifle	1
Accidents reported	278
Amount of property reported stolen	\$10,924.39
Amount of property recovered	3,825.18
Amount of stray teams found	550.00
Amount of property reported lost	1,637.54
Amount of lost property recovered	108.50
Amount of property damaged	416.00
Amount of fowl killed by dogs	18.25
Arson, attempt	1
Assaults	20
Assaults with dangerous weapon	2
Attempt to break and enter, false alarm of	1
Attempts to break and enter	42
Attempts to commit larceny	6
Attempts to commit suicide	11
Attempts to rob	2
Bon-fire extinguished	1
Breaking and entering, false alarm of	13
Broken rail on Boston Elevated Railway	1
Buildings broken and entered, nothing stolen	53
Building dangerous	2
Buildings found open	457
Burglar calls, false alarm of	2
Child kidnapped	1
Child kidnapped, found	1
Chimney, dangerous	1
Cruelty to animals	1
Dead body found	1
Dead infants found	2
Death by gas poisoning	1
Defective bridges	6
Defective catch basins	17
Defective drinking fountains	4
Defective fence	1
Defective fence gate	1
Defective fire alarm box	1
Defective gas gate boxes	6
Defective hydrants	3
Defective manholes and covers	6
Defective poles	9
Defective police signal boxes	7
Defective railroad fence	1
Defective sidewalks	414
Defective signs and sign posts	20
Defective streets	85
Defective subway	1
Defective swing in playground	1
Defective telephone in police signal service	1
Defective tree guards	4
Defective water gate boxes	233
Defective wires	41

Destitute children	4
Destitute family	1
Disturbances	16
Disturbances suppressed	23
Dogs killed	20
Dogs strayed	45
Dogs strayed, found	35
Dogs unlicensed	1
Dogs vicious	12
Electric light globes broken	5
Fire alarm box broken	1
Fire alarm box found open	1
Fire, alarms given for	3
Fire alarm boxes, glass broken	4
Fires extinguished without alarms	2
Fire, false alarms of	11
Fire, needless alarms for	8
Fires reported	253
Fowl killed	11
False pretence	1
Gas leaks	3
Gas meter box broken	1
Heat prostrations	2
Horses killed	4
Houses unoccupied	67
Indecent assault	1
Indecent exposure of person	8
Infirm persons cared for	4
Insane cases	4
Larcenies, no value given	78
Larcenies reported	501
Lodgers put up	6
Lost children	108
Lost children found	108
Malicious mischief	39
Militia call, Salem fire	1
Missing persons	48
Missing persons found	18
Neglected children	5
Nuisances	2
Obstructions in streets	24
Obstructions in streets, lighted	7
Obstructions in streets, removed	2
Obstructions on sidewalks	11
Offal uncollected	1
Panes of glass broken	65
Permits granted to labor on Lord's Day	93
Persons bitten by dogs	10
Persons helped home	2
Persons struck by stray bullet	1
Property damaged, no value given	7
Property destroyed	1
Property recovered, no value given	1
Property lost, no value given	30
Property damaged, no value given	7
Pulmotor called	1
Rabbits killed	2
Runaway children	7
Runaway children found	10
Runaway horse stopped	1

Runaway teams	4
Sidewalks dangerous from snow and ice	41
Store unoccupied	1
Stray cows found	2
Stray deer captured	1
Stray horses reported	2
Stray horses found	17
Stray opossum found	1
Stray pheasant found	2
Stray teams reported	2
Stray teams found	2
Streets dangerous	2
Streets dangerous from snow and ice	3
Street flooded	1
Street lights reported	6,993
Strike reported	1
Sudden deaths	4
Suicides	8
Summonses served for witnesses and defendants to appear at court at other places	160
Suspicious persons	82
Threats	1
Trees, dangerous	22
Tree infested with gypsy moths	1
Trespass	22
Unconscious person found	1
Violation of automobile laws	4
Violation of board of health rules	1
Violation of city ordinances	46
Water pipes leaking	132
Windows broken	24

Police Signal Service.

Number of on duty reports made by the patrolmen	277,134
Telephone calls made by the officers and patrolmen	31,153

Combination Automobile Service.

Number of runs made in conveying prisoners to the station	658
Number of prisoners conveyed	870
Number of sick and injured conveyed	494
Number of miles run in conveying prisoners to station	1,420.5
Number of miles run in conveying sick and injured	1,704.7
Number of miles run in conveying prisoners to and from jail	335.8
Number of miles run elsewhere	1,452.4

Total number of miles run during the year 4,913.4

Horse Drawn Patrol Wagon and Horse Drawn Ambulance Reports.

Number of runs made in conveying prisoners to station	128
Number of prisoners conveyed	152
Number of miles run in conveying prisoners to station	254
Number of sick and injured conveyed	304
Number of miles run in conveying prisoners to and from jail	909
Number of miscellaneous runs	35

Official Roster of the Department.**CHIEF OF POLICE**

Charles A. Kendall

LIEUTENANTS

Eugene A. Carter
 Charles E. Woodman
 James M. Harmon

John A. Ray
 Thomas Damery
 Michael T. Kennedy

PATROLMEN

Edward M. Carter
 George L. Smith
 Francis A. Perkins
 Jacob W. Skinner
 Theodore E. Heron
 Charles W. Stevens
 Daniel G. Simons
 Samuel Burns
 Frederick H. Googins
 Jotham Chisholm
 William J. Davidson
 Elmer E. Drew
 John A. Dadmun
 George L. Rice
 Myron S. Gott
 Charles W. Reick
 Frank C. Hopkins
 Charles W. Allen
 Hudson M. Howe
 Ernest S. Goff
 Sanford S. Lewis
 Frank H. Graves
 Henry A. Sudbey
 Thomas F. McNamara
 Louis F. Arnold
 Charles S. Johnston
 James M. Lynch
 Robert T. Blair
 Ernest Howard
 Claude L. Crossman
 John J. Cummings

Edmund J. Keane
 Denis Neylon
 Denis Downey
 Edward M. Davies
 George A. C. Peters
 James E. Phillips
 Lewis J. Belzarini
 Walter Reed
 Dennis G. Mulqueency
 Patrick J. Doolin
 Edward J. Hopkins
 William G. Kenney
 Walter L. Groves
 Frederick G. Jones
 Joseph A. Dwyer
 Thomas P. Walsh
 Clyde W. Steeves
 Augustine J. Fitzpatrick
 Patrick McGrath
 Bernard McCabe
 Harry C. Young
 Robert D. Dewar
 Peter Moore
 Albert
 Walter C. Oesting
 John L. Cameron
 Francis P. Higgins
 Arthur S. Walsh
 John J. McCahey
 Alexander Morrison

RESERVEMEN

Daniel J. Powers
 Jeremiah O'Connor
 James P. Higgins
 Charles E. Wilson
 William J. Warner

Timothy Buckley
 John J. Killourhy
 Charles J. Sharry
 Thomas M. Sharry
 Michael J. O'Loughlin

CHAUFFEURS AND PATROL DRIVERS

Charles J. Fulton
 James W. Lundergan

James H. White

MATRON

Mrs. Minna T. Weeks

PENSIONERS, RETIRED ON HALF PAY

George W. Bean, July 2, 1902.	Herbert Hilton, December 21, 1911.
Albion L. Staples, March 24, 1905	Dennis Kelley, December 31, 1913.
John E. Fuller, March 23, 1906.	Ezra A. Dodge, March 14, 1914.
Ira S. Carleton, May 9, 1907.	George H. Carleton, March 27, 1914
James J. Pollard, February 27, 1908.	Edward McGarr, April 10, 1914.
Melville C. Parkhurst, October 31, 1908	Robert R. Perry, June 26, 1914.

Changes in the Force.**DEATHS**

Patrolman Eugene A. Woodsum, died April 26, 1914.
 Patrolman Lemuel J. Simons, died August 31, 1914.

APPOINTMENTS

Mrs. Mina T. Weeks, appointed as matron, January 7, 1914.
 Thomas M. Sharry, appointed reserveman, May 28, 1914.
 Michael J. O'Loughlin, appointed reserveman, May 28, 1914.

PROMOTIONS

Reserveman John J. McCahey, promoted to patrolman, April 9, 1914.
 Reserveman Alexander Morrison, promoted to patrolman, April 9, 1914.
 Sergeant James M. Harmon, promoted to lieutenant, May 14, 1914.
 Sergeant John A. Ray, promoted to lieutenant September 10, 1914.
 Inspector Thomas Damery, promoted to lieutenant, September 10, 1914.
 Inspector Michael T. Kennedy, promoted to lieutenant, September 10, 1914.

RETIREMENTS

Patrolman Ezra A. Dodge, placed on pension roll, March 14, 1914.
 Sergeant George H. Carleton, placed on pension roll, March 27, 1914.
 Sergeant Edward McGarr, placed on pension roll, April 10, 1914.
 Captain Robert R. Perry, placed on pension roll, June 26, 1914.

Absence from Duty.

Officers have been absent from duty the following number of days for absence with leave, regular days off sickness or disability and annual vacations:—

	Absent.	Days off.	Sick.	Vacation	Total
Kendall, Charles A.....	0	17½	0	0	17½
Carter, Eugene A.....	0	24	0	0	24
Woodman, Charles E.....	0	22	0	14	36
Harmon, James M.....	0	24	1	14	39
Ray, John A.....	0	23½	0	14	37½
Damery, Thomas	0	21	0	14	35
Kennedy, Michael T.....	0	9	0	9	18
Allen, Charles W.....	5	22	51	14	92
Arnold, Louis F.....	4	24	2	14	44

	Absent.	Days off.	Sick	Vacation	Total.
Belzarini, Louis J.....	0	24	0	14	38
Blair, Robert T.....	0	24	0	14	38
Burns, Samuel	0	24	10	14	48
Cameron, John L.....	3	24	0	14	41
Carter, Edward M.....	0	23	17	14	54
Chisholm, Jotham	0	24	0	14	38
Crossman, Claude L.....	0	24	0	14	38
Cummings, John J.....	3½	24	0	14	41½
Dadmum, John A.....	0	24	0	14	38
Davidson, William J.....	2	24	0	14	40
Davies, Edward M.....	0	24	0	14	38
Dewar, Robert D.....	0	24	0	14	38
Doolin, Patrick J.....	1	24	4	14	43
Downey, Denis	0	24	0	14	38
Drew, Elmer E.....	8½	24	15	14	61½
Dwyer, Joseph A.....	0	24	9	14	47
Fitzpatrick, Augustine J.....	6	24	0	14	44
Goff, Ernest S.....	0	24	0	14	38
Googins, Frederick H.....	0	16	125	14	155
Gott, Myron S.....	0	24	0	14	38
Graves, Frank H.....	1	24	4	14	43
Groves, Walter L.....	5	22	61	14	102
Hawes, Albert C.....	2	24	0	14	40
Heron, Theodore E.....	0	24	0	14	38
Higgins, Francis P.....	3	24	0	14	41
Hopkins, Edward J.....	2	24	0	14	40
Hopkins, Frank C.....	0	24	4½	14	42½
Howard, Ernest	2	24	9	14	49
Howe, Hudson M.....	1	24	8	14	47
Johnston, Charles S.....	0	24	0	14	38
Jones, Frederick G.....	0	24	0	14	38
Keane, Edmund J.....	2	24	12	14	52
Kenney, William G.....	4	24	0	14	42
Lewis, Sanford S.....	0	24	0	8	32
Lynch, James M	0	24	0	14	38
McCabe, Bernard	0	24	5	14	43
McCahey, John J.....	4	17	1	14	36
McGrath, Patrick	0	24	0	14	38
McNamara, Thomas F.....	0	24	0	14	38
Moore, Peter	1	24	6	14	45
Morrison, Alexander	0	17	0	14	31
Mulqueeney, Dennis G	11	24	1	14	50
Neylon, Denis	2	24	3	14	43
Oesting, Walter C.....	0	24	0	14	38
Perkins, Francis A.....	15	24	3	14	56
Peters, George A. C.....	1	24	6	14	45
Phillips, James E.....	2	24	0	14	40
Reed, Walter	0	24	6	14	44
Reick, Charles W.....	0	24	1	14	39
Rice, George L.....	4	24	0	14	42
Simons, Daniel G.....	4	24	6	14	48
Skinner, Jacob W.....	1	24	1	14	40
Smith, George L.....	0	24	0	14	38
Steeves, Clyde W.....	4	24	0	14	42
Stevens, Charles W.....	2	24	12	14	52
Sudbey, Henry A.....	2	24	4	14	44
Walsh, Arthur S.....	2	24	5	14	45
Walsh, Thomas P.....	1	24	7	14	46

	Absent.	Days off.	Sick	Vacation	Total
Young, Harry C.....	0	24	0	14	38
Fulton, Charles J (Chauffeur).....	0	24	0	14	38
Lundergan, James W (Chauffeur).. <td>0</td> <td>24</td> <td>2</td> <td>14</td> <td>40</td>	0	24	2	14	40
White, James H. (Chauffeur).....	0	24	0	14	38
Weeks, Mina T. (Matron).....	14	20	0	14	48
Perry, Robert R.....	0	0	0	0	0
McGarr, Edward	0	6	0	0	6
Carleton, George H.....	0	4½	0	0	4½
Dodge, Ezra A.....	0	5	9	0	14
Woodsum, Eugene A.....	2	7	11	0	20
Simons, Lemuel J.....	2	8	118	0	128
	129	1,700½	539½	969	3,338

Performance of Duties.

During the past year an officer has been detailed for duty in Davis Square in the day time permanently, and a matron has been appointed, who is ready to be called at any time, day or night.

Sunday, June 14, was observed as flag day, His Excellency, Governor Walsh, and other prominent persons were present, a large crowd of people were in the city, exercises being held on Central and Prospect Hills, preceded by a street parade, the crowd was handled in a creditable manner by the police.

No serious crimes have been committed during the year, and the city on the whole has been quiet and orderly, making it one of the cleanest and best governed cities for its size in the country.

Recommendations.

The needs of the department are a stenographic clerk in the office at headquarters, an automobile seating from five to seven men, more new cells in the lockup, and vault completed in the basement for the storage of valuable papers.

Respectfully submitted,

CHARLES A. KENDALL,
Chief of Police.

REPORT OF THE PLANNING BOARD.

Somerville, Mass., Dec. 21, 1914.

To The Honorable The Board of Aldermen:—

Gentlemen—We have the honor of presenting to you for your consideration the first Annual Report of the Planning Board.

The Planning Board, as you know, was created under the acts of the Legislature of 1913. This Act provides for a Planning Board "whose duty it shall be to make careful studies of the resources, possibilities and needs of the city or town, particularly with respect to conditions which may be injurious to the public health or otherwise injurious in and about rented dwellings, and to make plans for the development of the municipality with special reference to the proper housing of its people." In compliance with this Act a Planning Board consisting of seven members was created by an Ordinance duly passed by your Honorable Board and the present members were appointed by His Honor, Charles A. Burns, who was then Mayor.

The Board organized with Malcolm E. Sturtevant, as Chairman and in compliance with the Ordinance elected Theda E. Fleming, who was not a member of the Board, as Secretary, and laid out the work which it proposed to do. A Committee from the Planning Board waited upon Mayor Cliff and the Finance Committee of your Honorable Board and requested sufficient funds with which to properly carry on this work. The sum of \$250 was appropriated for the use of the Planning Board, which, after the payment of the salary of a Secretary required by the Ordinance and the payment for the necessary office supplies, left less than \$60 for the Board to expend in making such studies and investigations as are required under the Act. This small amount, of course, made it utterly impossible for the Board to make any investigations requiring the services of experts or the services of any hired person who was competent to investigate the conditions especially suggested in the Act and in accordance with the plans of the Board.

We find from the history of Planning Boards in other countries, and in other cities of our country, that it is not the intent of the Legislature that the members of the Planning Boards should make these investigations personally, but rather that a Planning Board should direct and supervise such investigations, weigh and pass on the result of these investigations, and to make its recommendations after careful consideration, to the governing Board of the City or Town.

Our Board, because of the lack of a reasonable amount of money with which to work, has been necessarily confined

to such superficial investigations as the different members of the Board have been able to make personally, aided by such gratuitous suggestions and advice as we have been able to obtain from some of our city officials and citizens who have the interests of our city at heart.

The Board has held bi-weekly meetings since its organization, except for the summer vacation, and has studied and investigated many conditions in our city.

The Board, from its investigations, is convinced that a much better and more complete protection to the homes in our city can be obtained by the complete motorizing of our fire apparatus, because with a city situated as ours is, made up in large part of buildings constructed in the main of materials not fireproof, it is of the utmost importance that our fire apparatus should be "on the job," so to speak, as speedily as possible. This result, we are convinced, can best be obtained by motorizing our entire department. We are also convinced that the expense of maintenance and up-keep of motor apparatus is much less than the up-keep of horses and horse-drawn apparatus, and we believe that a saving will result to the city by the motorizing of its fire apparatus.

For the reason that a department made up of permanent men who are always on duty is much more effective and desirable than one made up partly of call men, so-called, we recommend that, as soon as the finances of the city will permit, the fire department be made up only of permanent men.

We find, scattered throughout our city, many old dilapidated buildings, which are not only a fire menace to the localities in which they are situated, but are also the abodes of tramps and like characters, and which furnish an undesirable meeting place for children and young men, besides being eyesores to the communities where they are situated. These, under the existing statutes, can be removed with very little expense to the city, and we recommend that immediate steps be taken to cause the demolition of all such buildings. Those we have especially in mind are situated on Dane street, Washington street, Fitchburg street, Somerville avenue and just off Cedar street.

As trees help to beautify our city we recommend that the planting of trees along our highways be encouraged, and we feel certain that there are public-spirited citizens in Somerville who would gladly donate trees, or subscribe to a fund with which to purchase them, which could be set out by our highway department at but slight cost.

In all large cities the problem of taking care of children during their play time is one of ever increasing interest and concern, and while we have spaces in our city still unoccupied

by buildings, and available for playground purposes, we recommend that playgrounds of sufficient area to make them worth while be purchased and equipped, at least one in each ward of our city. We are fortunate in already having several such playgrounds, but fortunately some of these are so situated that they are of benefit as much to the children of our neighboring cities as to those of our own. Central Hill Park has always been, up to within a year or two, the show park of our city. During the past few years, however, Central Hill Park has been used as a playground, and the result has been that instead of being an adornment to our city it has been quite the reverse at certain times of the year. We, therefore, recommend that the further use of Central Hill Park as a playground be forbidden. Sections of the city which are practically unprovided with playgrounds are: Ward 3, the Winter Hill District, the so-called Patch District and Ward 6, and we strongly recommend that immediate steps be taken to provide playgrounds in each of these sections.

Metropolitan Boston has the finest park system in America and possibly in the world, but it is unfortunate that there is no direct connecting link between the Fells section of this park system and the Fens section. We believe, from our investigations, that a boulevard could and should be constructed through Somerville and Cambridge connecting these two sections, and we suggest that either one be built through Cross street, or Walnut street, or through College avenue across to Cambridge. Almost any street that might be taken for this purpose could now be widened at much less expense than would be possible a few years hence. We recommend that the utmost diligence be used in bringing about this much desired result.

As the worth of a city to its citizens is dependent somewhat upon its means of communication, one part with the other, we recommend and urge that due steps be taken for the establishment of a cross town line. One that could be established without any expense for trackage might start from Clarendon Hill, through Holland street to Davis square, thence via Elm street and Somerville avenue to Union square, through Washington street to Medford street, thence to Cross street, to Broadway and thence, via Broadway, to Clarendon Hill. This by the use of transfer privileges, would give very effective accommodations to all our people in getting from one part of the city to another. Another line that has been suggested which would give, by the use of transfer privileges, not only accommodations to our own people in getting to different parts of our city, but also to all people coming through our city from the outlying towns and cities, is by a line starting at the top of Winter Hill, through Central street to Summer

street, and thence across as the cars now run to Cambridge.

We all had an opportunity this last Spring to see the benefits derived by the so-called "Clean Up Week," and as our public health is affected by the conditions of our houses, yards, alleys and streets, which if left to become cluttered with filth and rubbish are the breeding places of mosquitoes, flies and other pests and disease germs, we recommend that a week be set apart in the Spring and another in the Fall for a "Clean Up Week," and we feel certain that the Street Commissioner, as he did this last Spring, will take care of all the rubbish and filth that is cleaned up and left to him for disposal. In this way, at very slight cost, we feel certain that the public health would be much improved.

From our investigations and studies we are convinced that the best results, both from an educational and economic standpoint, can be obtained by the use of large, commodious school buildings, say of twenty rooms or more. By the use of these large buildings the scholars can be more effectively cared for at much less expense than is now possible. We find that some of our teachers now are teaching practically three classes, and we do not believe that the best results possible are being obtained for our children under this system. In the large school, such as we suggest and recommend, children of a greater area are brought together, and instead of a teacher being obliged to teach three classes of perhaps twelve or fifteen in a class, she would have one or possibly two classes of children of like intellectual calibre, and this would result not only for the educational good of the children but also put less work and burden on our teachers. This large school would be under the principalship of one man, where under our present system, in most cases, two principals must now be employed and paid, and we recommend that no more small buildings be erected, and that as fast as new buildings are needed the present large buildings be reconstructed to supply the wants of the school so discarded.

Many of our boys and girls can never hope to receive a college education, yet we believe that they should be as well fitted for the business of life as are the children who expect to go to college, and we therefore recommend that a large vocational school for boys and girls be erected commensurate in size and equipment with our present High School for the education of those children who desire that special fitting for after life. The work now being done in the vocational schools in our city, meagre as it is, shows the need of a large, completely equipped vocational school. We recommend that such a school be established.

We have not been able to make the investigations, through lack of finances, of the housing problems which we

expected and desired. From such investigation as we have been able to make, however, we are convinced that the Planning Board next year should be given sufficient money with which to make a thorough investigation of the housing conditions in our city. Such investigations as we have been able to make have disclosed the following:—

1. That many of our tenement houses, so-called, are provided with but one toilet, and in many cases no bathroom, for the use of three, four or six families. This condition we believe is absolutely against good health and good morals, and we recommend that the building ordinances be so amended that, in the construction of all future houses, at least one toilet room shall be provided for each family.
2. Very few of our tenement houses, so-called, are provided with piazzas and we believe that if builders in our city could be induced to provide piazzas for each tenement in a house, where the families could pass their leisure hours, many of the so-called "Corner Gangs" which are so mischievous and destructive of property would be eliminated. As at present constructed these families have almost no place in which to enjoy the open air and the result is the congregating of people, especially young men and children, in the streets and on the vacant lots, which is not for the best interest of our public health or morals.
3. We find, also, that in some sections of our city men, women and children are hived together sometimes as many as eight or ten in two or three rooms, and we recommend such changes as will make this hiving impossible.
4. As we all know, the construction of cheap tenement houses for more than two families is against the interests of our city. We strongly recommend that our building ordinances be so amended that no building for more than two families shall be constructed in our city except it be constructed of fireproof materials, and equipped with such means of escape in case of fire as shall be satisfactory to the Building Commissioner.

Our investigations have disclosed the fact that our city is woefully lacking in taxable property, and from what we have been able to find out the most effective way of raising that valuation is by inducing business enterprises and manufacturing plants to locate with us. While our land is now covered to a great extent, still we have many areas which could be used for manufacturing purposes, and we recommend that, through our city government, our Boards of

Trade, and kindred organizations, business plants be induced and encouraged to locate in our city. There is an immense tract along the Mystic River at present undeveloped, which might well be covered with manufacturing industries to the mutual benefit of those industries and our city, and throughout the city there are many smaller areas that might well be utilized for such purposes.

The Board has made some study of Chapter 786 of the Acts of 1913, commonly called the "Tenement House Act for Cities," and from its study of this Act it does not believe that, as drawn, it is advisable for our city to adopt it.

We have also studied the "Regulations for the Erection of Buildings within the Burnt District of the City of Salem, as adopted by the Salem Rebuilding Commission," and we believe that those regulations if adopted by our city would put the construction of buildings on a much higher plane, with a consequent advantage to our city. We recommend the careful consideration of these regulations to your Honorable Board, the Building Commissioner and the City Solicitor.

The Planning Board for this year has made a conscientious effort to make careful investigation of those subjects committed to its care, but the absolute lack of funds with which to make the investigation called for by the Act, and suggested by the Homestead Commission and the Public Service Commission of the Commonwealth, has not permitted it to accomplish the results which it desired and expected at the beginning of the year.

We hope that next year your Honorable Board will provide the Planning Board with sufficient funds with which to do the tasks set for it, and permit it to show the real benefit and advantage which an energetic and conscientious Planning Board can be to Somerville. Planning Boards in other cities in this Commonwealth have already demonstrated their value to those cities which have provided money with which to carry on their work, and co-operated with them in seeing that the recommendations of those Boards were carried into effect.

Respectfully submitted,
MALCOLM E. STURTEVANT
CHARLES F. MAGUIRE
WILLIAM H. SMITH
BARBARA GALPIN
CHARLES J. CORWIN
WARREN C. BLAIR
CHARLES E. GODFREY

REPORT OF SEALER OF WEIGHTS AND MEASURES

OFFICE OF SEALER OF WEIGHTS AND MEASURES }
City Hall Annex, Somerville, January 1, 1915. }

To His Honor, the Mayor, and the Board of Aldermen:—

The following report of the sealer of weights and measures for the year 1914 is respectfully submitted:—

Section 21, chapter 62, of the Revised Laws provides that sealers of weights and measures shall annually give public notice by advertisement, or by posting, in one or more public places in their respective cities and towns, notices to all inhabitants or persons having usual places of business therein who use weights, measures or balances for the purpose of selling goods, wares, merchandise, or other commodities or for public weighing to bring in their weights, measures and balances to be adjusted and sealed. Such sealers shall attend in one or more convenient places, and shall adjust, seal and record all weights, measures and balances so brought in.

Section 34 of the same chapter provides that each sealer of weights and measures, including the county treasurers, shall receive a fee of one dollar for sealing each platform balance if weighing five thousand pounds or more, and fifty cents if weighing less than that amount, and three cents each for sealing all other weights, measures, scales, beams or balances. He shall also have a reasonable compensation for all necessary repairs, alterations and adjustments made by him.

Where weights, measures and balances are sealed as provided in Section 21 (that is brought to the office), no fee is charged for sealing.

In compliance with the foregoing Section 21, the customary notice was given by advertising in the Somerville Journal and the Somerville Reporter in March, 1914.

During the year the sealer visited all places in the city where goods were brought or sold, tested all scales, weights and measures, sealed those which were found correct, and condemned all found beyond repair and useless.

329 scales, weights and measures were adjusted before sealing, sixty-five scales were tagged for repairs, thirty-two of which were repaired as ordered, and the remaining thirty-three put out of use.

Work done in weights and measures during the year 1914;—

	No of Tests Made at Office	No of Tests Made out of Office	
Number of scales sealed	555	1,472	
Number of weights sealed	306	4,348	
Number of dry measures sealed	76	77	
Number of tin liquid measures sealed	7,939	838	
Number of glass liquid measures sealed	900	0	
Number of yard sticks sealed	2	153	
Number of coal and berry baskets sealed	10	44	
Number of miscellaneous sealed	31	90	
Number of store weighings	0	4,395	
Total number of all kinds sealed	9,819	11,417	21,236
Number of scales adjusted and sealed	28	35	
Number of weights adjusted and sealed	67	199	
Number of dry measures adjusted and sealed	0	0	
Number of liquid measures adjusted and sealed	0	0	
Total number adjusted and sealed	95	234	329
Number of scales tagged for repairs	30	35	
Number of scales repaired as ordered	25	8	
Total number tagged and repaired	35	43	98
Number of scales condemned	20	4	
Number of weights condemned	4	138	
Number of dry measures condemned	6	0	
Number of liquid measures condemned	59	3	
Number of yard sticks condemned	0	0	
Number of miscellaneous condemned	0	0	
Total number condemned	89	145	234
Total number tested in and out of office			21,897
Receipts for the year 1914:—			
Appropriation	\$2,550 00		
Fees received for sealing and adjusting	511 50		
			\$3,061 50
Expenditures for the year 1914:—			
Telephone service	\$24 45		
Printing books and supplies	99 13		
Amount paid for team	381 44		
Amount paid for helper	17 95		
Salary of sealer	1,100 00		
Salary of deputy sealer	900 00		
Unexpended balance			\$2,522 97
			\$538 53

JOHN H. DUSSEAUT,
Sealer of Weights and Measures,

REPORT OF THE CITY SOLICITOR

To the Honorable, the Mayor, and Aldermen of the City of Somerville:—

The following is my report as city solicitor for the year 1914:—

Actions in court and claims for injuries received by reason of defects in public ways were settled for \$75, \$100, \$125, \$150, \$175, \$200, \$240, \$300, \$375, \$400, \$450, and \$850. The settlement for \$850, was of a long standing suit brought against the city, payment being made by a surety company on the bond of a contractor without expense to the city. A claim for falling into a trench opened by the water department was settled for \$300. Claims arising out of the death at the city stable of an employee in the street department were settled for \$2,150.

The captain in the police department, who was retired on a pension by the city government, applied to the Somerville Police Court, under the provisions of chapter 624 of the Acts of 1911, for re-instatement. In order to have the question determined whether the statute applies to retirement on a pension proceedings were brought in the name of the mayor and are now pending before the full bench of the Supreme Court.

As in several previous years a bill presented to the legislature by the City of Cambridge, requiring other cities and towns to pay a part of the expenses of constructing and maintaining bridges over the Charles River between Cambridge and Boston, and a bill presented by the City of Boston, providing for a change in the basis of apportioning expenses of the metropolitan water district, whereby a larger share would be placed upon this city, were successfully opposed. On a petition of the mayor an act was passed by the legislature to facilitate the improvement of public ways at railroad bridges and approaches to such bridges.

Several claims for land damages in connection with the abolition of railroad grade crossings were disposed of and only a few claims now remain unsettled. An action brought by the Union Glass Company for damages to its property at the Webster Avenue crossing was tried before a jury in the Superior Court and a verdict was given for \$18,090. A motion made by the plaintiff to set aside the verdict was denied by the court. Exceptions filed by the plaintiff are now pending. Before the trial \$60,000 was the lowest sum mentioned by the plaintiff for a settlement.

Very Respectfully,

FRANK W. KAN.

City Solicitor.

January 11, 1915.

REPORT OF THE CITY CLERK.

OFFICE OF THE CITY CLERK, }
January 1, 1915.

To the Honorable, the Mayor and the Board of Aldermen:—

Gentlemen:—The following is respectfully submitted as the forty-third annual report of the City Clerk of the City of Somerville, and is for the year ending December 31, 1914.

The receipts and payments were as follows:—

Receipts.

Balance from year 1913, being for dog licenses issued in December, 1913:—		
53 males at \$2.00	\$106 00	
13 males at \$5 00	65 00	
1 spayed at \$2.00	2 00	
	<hr/>	\$173 00
Less city clerk's fees paid to the city treasurer in. December, 1913, 67 at \$20		13 40
		<hr/>
		\$159 60
For dog licenses issued in 1914:—		
1,139 males at \$2.00	\$2,278 00	
257 females at \$5.00	1,285 00	
90 spayed at \$2.00	180 00	
	<hr/>	\$3,743 00
Recording mortgages, assignments, etc., 1,024 papers	\$656 85	
Certificates of marriage intentions, 956 at \$1.00	956 00	
Furnishing copies of records	181 10	
Licenses:—		
Amusements:—		
68 monthly licenses at \$4.00	\$272 00	
480 licenses for 549 entertainments at \$1.00	549 00	
	<hr/>	821 00
Auctioneers, 23 licenses at \$2.00	46 00	
Billiard and pool tables and bowling alleys, 43 licenses for 117 tables and 87 alleys at \$2.00	\$408 00	
1 license not acted on for 2 tables at \$2.00	4 00	
	<hr/>	412 00
Cry goods and calling, 89 licenses at \$1.00	\$89 00	
9 applied for and petitions not returned	9 00	
	<hr/>	98 00
	<hr/>	
Drain layers, 9 licenses at \$1.00	9 00	
Drivers, 3 licenses at \$1.00	3 00	
Engines and motors, 23 licenses, for 40 motors, and 1 boiler, including 2 paid in 1913, making 21 at \$1.00	21 00	
	<hr/>	
Amounts carried forward , , , ,	\$3,203 95	\$3,902 60

Amounts brought forward	\$3,203 95	\$3,902 60
Gasoline tanks, 33 licenses, including 1 paid in 1913, making 32 at \$1.00	\$32 00	
2 refused and money not called for	2 00	
		34 00
Garages, 109 licenses, including 4 paid in 1913, making 105 at \$2.00	\$210 00	
1 refused and money not called for	2 00	
	\$212 00	
Money refunded on 1 refused in 1913	2 00	
		210 00
Hackney carriages, 5 licenses for 6 carriages at \$1.00		6 00
Innholders and common victuallers, 41 licenses for 1 innholder and 40 victuallers, at \$2.00	\$82 00	
money refunded on 1 refused in 1913	2 00	
		80 00
Intelligence offices, 11 licenses at \$2.00	22 00	
Junk and second-hand licenses, 29 licenses at \$10 00	\$290 00	
13 licenses at \$25.00	325 00	
		615 00
Lord's Day, sale of ice cream, confectionery, soda water and fruit on 66 licenses, including 1 paid in 1913, making 65 at \$5.00	325 00	
Private detectives, 4 licenses at \$10.00	40 00	
Ring bells in streets, 15 licenses at \$1.00	15 00	
Slaughtering, 6 licenses at \$1.00	6 00	
Street musicians, 14 licenses for 24 persons at \$.50	12 00	
Wagons, 56 licenses for 98 wagons at \$1.00	98 00	
Wagon stands, 3 licenses at \$1.00	3 00	
Permits for projections over sidewalks, 59 permits, for 45 signs and 14 awnings, at \$1.00	\$59 00	
1 refused and money not called for	1 00	
		60 00
Permits to transport liquors, 22 permits at \$1.00	\$22 00	
2 refused and money not called for	2 00	
	24 00	
Money refunded on 1 refused in 1913	1 00	
	23 00	
1 not acted on	1 00	
		24 00
Amounts carried forward	\$4,753 95	\$3,902 60

Amounts brought forward	\$4,753 95	\$3,902 60
Recording and issuing sixth class liquor licenses, 29 at \$1 00	29 00	
Filing certificate, under Acts of 1908, Chapter 502	50	
Repairing and sale of junk badges	3 00	
Notices of hearings (public service corporations)	26 60	
Revenue tax stamps	4 40	
Interest on deposits	11 63	
	<hr/>	4,829 08
Total receipts		<hr/> \$8,731 68

Payments.

To Joseph O. Hayden, county treasurer, June 1 and December 1, receipts for dog licenses from December 1, 1913, to November 30, 1914, both inclusive:—		
1,186 males at 2.00	\$2,372 00	
265 females at \$5.00	1,325 00	
91 spayed at \$2.00	182 00	
	<hr/>	
	\$3,879 00	
Less city clerk's fees, 1,542 at \$.20	308 40	
	<hr/>	\$3,570 60
To the city treasurer, monthly:—		
City clerk's fees for issuing and recording dog licenses, 1,486 at \$.20	\$297 20	
All the receipts above specified, except for dog licenses	4,829 08	5,126 28
	<hr/>	<hr/>
Total payments		\$8,696 88
Balance, January 1, 1915, being for dog licenses issued in December, 1914:—		
6 males at \$2 00	\$12 00	
5 females at \$5 00	25 00	
	<hr/>	
	\$37 00	
Less city clerk's fees paid to the city treasurer, 11 at \$.20	2 20	
	<hr/>	\$34 80

There have been issued during the year 316 resident hunters' certificates at one dollar each, the fees for which have been paid monthly to the commissioners on fisheries and game of the commonwealth; total, \$316.00.

Licenses and Permits.

Besides the licenses mentioned in the foregoing list of receipts, licenses and permits have been granted by the board of aldermen, without charge, as follows:—

Auctioneers (to veterans of the Civil war)	2
Children under fifteen to take part in entertainments	9
Newsboys	32
To blast rock or stone	4
To hold open-air meetings	3
To hold religious services in streets and squares	5
To parade in streets, with music, etc.	4
To give band concerts (one permit for eight concerts)	1
To move buildings through streets	3
To construct bulkhead in sidewalk	1
To construct fire escapes over sidewalk (one permit for two fire escapes)	1
To set hitching post in sidewalk	1
To erect posts for church directional signs	3
To erect marquise over sidewalk	1
To use bowling green	1
To manufacture sausages and chopped meat	6
To sing Christmas carols in streets	2

Gas and Pole Locations.

The Cambridge Gas Light Company and the Charlestown Gas and Electric Company have been granted permission to lay gas mains in sundry streets.

Permission has also been granted The Edison Electric Illuminating Company of Boston and The New England Telephone and Telegraph Company of Massachusetts for the erection of poles and for the attachment of wires and fixtures, to The Edison Electric Illuminating Company of Boston for underground conduits and to the West End Street Railway Company for track locations and electric rights in various streets.

In every order of the board of aldermen granting such permission to use the streets provision is made for the protection of the interests of the city and a suitable agreement, satisfactory in form to the city solicitor, must be filed with the city clerk before the order can become operative.

Births.

1914

Number of births reported by physicians and midwives for 1914:—

Males	896
Females	982

A canvas of the city is at present being made under the direction of the city clerk as required by section 5, chapter 29, of the Revised Laws, to ascertain the facts required for record relative to all children born therein during the year.

As the information derived from such canvas will not be available in time sufficient for its incorporation in this report, a statement in full of the births of 1914 will be given in the city clerk's report for the year 1915.

1913

The following is a statement in full of the births for 1913:—

Number of births (exclusive of still births) in Somerville in 1913 registered	1,861
More than previous year	53
Males	964
Females	897
	<hr/> 1,861
Born of American parents	681
Born of foreign parents	771
Born of American father and foreign mother	191
Born of foreign father and American mother	195
Born of American mother and father of unknown nationality	14
Born of foreign mother and father of unknown nationality	9
	<hr/> 1,861
Number of still births in Somerville in 1913 as registered	48
Number of births in other places in 1913 registered	334
	<hr/> 2,243
Number of cases of twins	16
Number of cases of triplets	1

Marriages.

Number of intention certificates issued in 1914	956
More than previous year	42
Marriages registered	1,003
More than previous year	32
Both parties American	541
Both parties foreign	231
American groom and foreign bride	102
Foreign groom and American bride	129
	<hr/> 1,003 couples
First marriage of	1,821
Second marriage of	175
Third marriage of	10
	<hr/> 1,003 couples

Deaths.

(Exclusive of still-births.)	
Number of deaths in Somerville in 1914	990
Less than previous year	3
Males	463
Females	527
	<hr/> 990
Under ten years of age	229
10 and under 20 years of age	24
20 and under 30 years of age	48
30 and under 40 years of age	71
40 and under 50 years of age	60
50 and under 60 years of age	116
60 and under 70 years of age	154
70 and under 80 years of age	187
80 and under 90 years of age	88
90 years of age and over	13
	<hr/> 990

Age of oldest person deceased	105	Years
Born in Somerville	211	
Born in other places in the United States	447	
Of foreign birth	328	
Birthplace unknown	4	
	<hr/>	
Number of deaths in January	74	990
" " " " February	97	
" " " " March	98	
" " " " April	110	
" " " " May	93	
" " " " June	74	
" " " " July	50	
" " " " August	65	
" " " " September	78	
" " " " October	64	
" " " " November	75	
" " " " December	112	
	<hr/>	
		990

The number of still-births recorded during the year was sixty-three. In addition to the above 189 deaths which occurred elsewhere and five removals were recorded in Somerville, almost the entire number of persons deceased having been residents of this city.

Assessed Polls and Registered Voters.

MEN'S LISTS.

WARD.	PRECINCT.	As- sessed Polls, April 1, 1914.	REGISTERED VOTERS.							
			Nov. 19, 1913.	Re- vised Lists of July 1, 1914.	Added in Sept. and Oct., 1914.	Oct. 14, 1914.	Added in Nov., 1914.	Nov. 18, 1914.	Voted Nov. 3, 1914.	Voted Dec. 8, 1914.
Ward 1 . . .	Precinct 1 . .	1,328	707	625	39	664	22	686	485	445
" 1 . . .	" 2 . .	702	349	314	42	356	13	369	291	247
" 1 . . .	" 3 . .	499	311	257	18	275	24	299	216	234
" 1 . . .	" 4 . .	619	329	275	11	286	11	297	237	256
		3,148	1,696	1,471	110	1,581	70	1,651	1,229	1,182
Ward 2 . . .	Precinct 1 . .	1,254	435	376	35	411	29	440	353	313
" 2 . . .	" 2 . .	1,701	744	654	65	719	11	730	576	400
" 2 . . .	" 3 . .	855	372	340	17	357	10	367	274	217
		3,810	1,551	1,370	117	1,487	50	1,537	1,203	930
Ward 3 . . .	Precinct 1 . .	1,283	837	756	47	803	12	815	656	503
" 3 . . .	" 2 . .	1,185	671	622	55	677	14	691	560	449
		2,468	1,508	1,378	102	1,480	26	1,506	1,216	952
Ward 4 . . .	Precinct 1 . .	1,366	770	719	46	765	13	778	580	473
" 4 . . .	" 2 . .	1,203	675	619	70	689	19	708	520	508
		2,569	1,445	1,338	116	1,454	32	1,486	1,100	981
Ward 5 . . .	Precinct 1 . .	1,259	801	738	24	762	8	770	616	418
" 5 . . .	" 2 . .	1,021	612	564	36	600	8	608	485	315
" 5 . . .	" 3 . .	1,035	603	554	40	594	8	602	495	325
		3,315	2,016	1,856	100	1,956	24	1,980	1,596	1,058
Ward 6 . . .	Precinct 1 . .	1,740	955	863	44	907	6	913	707	496
" 6 . . .	" 2 . .	1,399	792	629	38	737	8	745	580	402
" 6 . . .	" 3 . .	1,154	738	660	45	705	4	709	561	368
		4,293	2,485	2,222	127	2,349	18	2,367	1,848	1,266
Ward 7 . . .	Precinct 1 . .	901	653	572	64	636	3	639	540	390
" 7 . . .	" 2 . .	1,226	697	662	50	712	8	720	593	475
" 7 . . .	" 3 . .	1,274	678	636	109	745	6	751	608	454
" 7 . . .	" 4 . .	1,277	688	678	72	750	17	767	617	513
		4,678	2,716	2,548	295	2,843	34	2,877	2,358	1,832
City		24,281	13,417	12,183	967	13,150	254	13,404	10,550	8,201

WOMEN'S VOTING LISTS.

WARD.	PRECINCT.	Nov. 19, 1913.	Revised Lists of July 1, 1914.	Added in Sept. Oct. and Nov., 1914.	Nov. 18, 1914.	Voted Decem- ber 8, 1914.
Ward 1	Precinct 1 .	52	48	..	48	20
" 1	" 2 .	24	17	2	19	10
" 1	" 3 .	14	13	2	15	7
" 1	" 4 .	55	89	1	40	28
		145	117	5	122	65
Ward 2	Precinct 1 .	4	3	..	3	..
" 2	" 2 .	8	5	3	8	..
" 2	" 3 .	4	4	5	9	..
		16	12	8	20	..
Ward 3	Precinct 1 .	183	169	20	189	103
" 3	" 2 .	135	116	17	133	70
		318	285	37	322	173
Ward 4	Precinct 1 .	24	24	61	85	55
" 4	" 2 .	32	24	106	130	110
		56	48	167	215	165
Ward 5	Precinct 1 .	155	141	76	217	116
" 5	" 2 .	143	126	31	157	55
" 5	" 3 .	180	158	11	169	30
		478	425	118	543	201
Ward 6	Precinct 1 .	359	308	8	316	30
" 6	" 2 .	111	86	10	96	17
" 6	" 3 .	107	92	19	111	20
		577	486	37	523	67
Ward 7	Precinct 1 .	38	35	4	39	12
" 7	" 2 .	117	103	11	114	30
" 7	" 3 .	64	57	9	66	22
" 7	" 4 .	33	27	..	27	9
		252	222	24	246	73
City . . . . .	. . . . .	1,842	1,595	396	1,991	749

Elections.

The following is a statement of the votes cast, in the several wards of the city, for the candidates for the various offices, and on various questions, at the state election held November 3, 1914:—

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
GOVERNOR.									
Alfred H. Evans,	Prohibition,	8	7	12	12	10	10	18	77
Samuel W. McCall,	Republican,	546	201	716	733	886	1,058	1,592	5,732
Arthur E. Reimer,	Socialist Labor,	7	5	2	2	2	3	4	25
Samuel C. Roberts,	Socialist,	18	13	6	11	13	27	24	112
Joseph Walker,	Progressive,	61	38	67	62	78	134	242	682
David I. Walsh,	Democratic,	578	929	408	271	595	604	460	3,845
Blank,		11	10	5	9	12	12	18	77
LIEUTENANT-GOVERNOR.									
Edward P. Barry,	Democratic,	553	895	383	236	548	549	395	3,559
Grafton Cushing,	Republican,	549	216	743	756	931	1,117	1,668	5,980
Arthur Howard,	Prohibition,	10	16	8	12	11	8	16	81
James P. Magenis,	Progressive,	77	35	62	64	66	115	210	629
Sylvester J. McBride,	Socialist,	15	9	7	12	13	27	24	107
Patrick Mulligan,	Socialist Labor,	3	5	3	2	4	7	7	31
Blank,		22	27	10	18	23	25	38	163
SECRETARY.									
Percy B. Ball,	Socialist,	19	12	7	13	17	29	34	131
Frank J. Donahue,	Democratic	542	904	394	244	558	573	403	3,618
James W. Holden,	Socialist Labor,	10	7	5	39	4	9	5	79
Albert P. Langtry,	Republican,	540	197	703	696	880	1,038	1,556	5,610
William G. Merrill,	Prohibition,	14	2	13	16	20	16	64	145
Russell A. Wood,	Progressive,	70	47	70	71	88	144	251	741
Blank,		34	34	24	21	29	39	45	226
TREASURER.									
Charles L. Burrill,	Republican,	559	203	708	733	884	1,070	1,581	5,738
Joseph M. Coldwell,	Socialist,	17	15	7	12	18	30	29	128
Frederick Fosdick,	Progressive,	57	33	64	59	81	118	235	647
Thomas A. Frissell,	Prohibition,	9	3	14	12	9	8	23	78
Karl Lindstrand,	Socialist Labor,	5	4	1	2	6	8	17	43
Frederick W. Mansfield,	Democratic,	551	401	401	250	569	574	422	3,668
Blank,		31	44	21	32	29	40	51	248
AUDITOR.									
Alonzo B. Cook,	Republican,	574	213	688	729	834	1,054	1,568	5,660
Daniel R. Donovan,	Socialist,	18	15	8	17	23	31	29	141
John Drysdale,	Prohibition,	8	1	6	9	9	9	26	68
Frederick P. Glazier,	Progressive,	52	29	67	61	77	107	221	614
Fred E. Oelcher,	Socialist Labor,	5	4	5	10	3	4	10	41
Frank H. Pope,	Democratic,	527	884	401	229	609	588	423	3,661
Blank,		45	57	41	45	41	55	81	365

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
ATTORNEY-GENERAL.									
Henry C. Atwill,	Republican,	567	215	700	731	882	1,065	1,565	5,725
Thomas J. Boynton,	Democratic,	540	889	397	240	574	572	425	3,437
John Hildreth,	Progressive,	52	34	65	57	78	112	237	635
Howard B. Rand,	Prohibition,	7	2	6	11	8	8	22	64
John Weaver Sherman,	Socialist,	17	15	7	17	18	35	36	145
William Taylor,	Socialist Labor,	3	5	4	1	2	4	4	23
Blank,		43	43	37	43	34	52	69	321
REPRESENTATIVE IN CONGRESS									
Peter W. Collins,	Democratic	497	870	352	225	511	530	363	3,348
H. Huestis Newton,	Progressive	75	39	94	86	110	141	256	801
Ernest W. Roberts,	Republican	611	249	738	752	933	1,125	1,666	6,074
Blank,		46	46	32	37	42	52	73	327
COUNCILLOR.									
William H. Barter,	Democratic,	515	881	383	234	545	544	389	3,491
Frank S. Harlow,	Progressive,	79	48	85	76	107	161	286	842
Herbert P. Wasgatt,	Republican,	558	205	690	725	875	1,057	1,575	5,685
Blank,		77	69	58	65	69	86	108	532
SENATOR									
Charles W. Berry,	Progressive,	80	51	97	92	129	158	345	952
James J. Brennen.	Democratic,	507	865	355	221	508	494	333	3,283
Charles W. Eldridge,	Republican,	570	221	720	738	888	1,134	1,586	5,857
Blank,		72	66	44	49	71	62	94	458
REPRESENTATIVES, 25TH DIST. (3)									
William M. Armstrong,	Republican,	564	....	715	721	887	....	....	2,887
Arthur W. Berry,	Progressive,	95	....	112	97	137	....	....	441
Ernest H. R. Burroughs,	Progressive,	79	....	90	88	133	....	....	390
Harvey E. Frost,	Republican,	562	....	689	707	813	....	....	2,771
Joseph F. Harney,	Democratic,	441	....	355	192	455	....	....	1,443
William W. Kennard,	Republican,	545	....	659	700	826	....	....	2,730
John J. Murphy,	Democratic,	423	....	331	193	457	....	....	1,404
Perry F. Nangle,	Democratic,	427	....	311	184	523	....	....	1,445
John F. Wilber,	Progressive,	86	....	74	84	114	....	....	358
Samuel E. Kane,		....	....	1	....	....	....	....	1
Blank,		465	....	311	334	443	....	....	1,553
REPRESENTATIVES, 26TH DIST. (3)									
Walter F. Blaser,	Progressive,	....	46	....	....	....	168	346	560
Joseph O. Knox,	Republican,	....	206	....	....	....	1,099	1,553	2,858
John J. McCarthy,	Democratic,	....	852	....	....	....	500	327	1,679
Joseph H. Perry,	Republican,	....	183	....	....	....	1,004	1,488	2,675
Otto C. Scales,	Progressive,	....	47	....	....	....	155	292	494
Bernard J. Sheridan,	Democratic,	....	818	....	....	....	509	366	1,693
Ralph M. Smith,	Republican,	....	194	....	....	....	1,021	1,476	2,691
Walter M. Smith	Democratic,	....	795	....	....	....	502	355	1,652
Fred E. Towne,	Progressive,	....	51	....	....	....	172	272	495
Blank,		....	417	....	....	....	414	599	1,430
COUNTY COMMISSIONER.									
George A. Goodwin,	Progressive,	81	49	105	97	137	176	355	1,000
Levi S. Gould,	Republican,	531	199	666	692	846	1,018	1,478	5,430
Charles F. McCarty,	Democratic,	487	857	374	244	515	546	375	3,398
Blank,		130	96	71	67	98	108	150	722

	WARDS.							TOTAL.
	1	2	3	4	5	6	7	
SHALL AN ACT PASSED BY THE GENERAL COURT IN THE YEAR NINETEEN HUNDRED AND FOURTEEN, ENTITLED "AN ACT RELATIVE TO VACATIONS OF LABORERS EMPLOYED BY CITIES AND TOWNS", BE ACCEPTED?								
Number of "Yes" votes,	735	828	606	567	888	974	108	5,706
Number of "No" votes,	328	218	456	404	555	636	900	3,497
Blank,	166	157	154	129	153	238	350	1,347
"SHALL AN ACT PASSED BY THE GENERAL COURT IN THE YEAR NINETEEN HUNDRED AND FOURTEEN TO MAKE SATURDAY A HALF HOLIDAY, WITHOUT LOSS OF PAY, FOR LABORERS, WORKMEN AND MECHANICS EMPLOYED BY OR ON BEHALF OF THE COMMONWEALTH AND OTHERWISE TO REGULATE THEIR EMPLOYMENT, BE AC- CEPTED?								
Number of "Yes" votes,	802	906	703	653	986	1,111	1,300	6,461
Number of "No" votes,	274	152	393	325	461	534	757	2,896
Blank,	153	145	120	122	149	203	301	1,193
"SHALL THE ACT PASSED BY THE GENERAL COURT IN THE YEAR NINETEEN HUNDRED AND FOURTEEN, PROVIDING FOR THE ABOLITION OF PARTY EN- ROLMENT AT PRIMARY ELEC- TIONS, BE ACCEPTED?								
Number of "Yes" votes,	690	808	679	597	953	1,084	1,351	6,162
Number of "No" votes,	289	148	317	271	410	409	553	2,397
Blank,	250	247	220	232	233	355	454	1,991

The following is a statement of the votes cast in the several wards of the city for the candidates for the various offices, and on the question of granting licenses for the sale of intoxicating liquors in this city, at the city election held December 8, 1914 :—

CANDIDATE.	PARTY.	WARDS.							Total.
		1	2	3	4	5	6	7	
MAYOR.									
Zebedee E. Cliff,	Republican,	514	257	546	603	699	862	1,462	4,943
Robert R. Perry,	{ Republican	289	158	231	208	148	161	217	1,412
Walter M. Smith,	{ Independent								
Richard Pigott,	Democratic,	337	478	152	129	194	228	133	1,651
Blank,		....	....	....	....	....	....	1	1
		42	37	23	41	17	15	19	194
ALDERMAN-AT-LARGE, WARD 1.									
William Fleming,	Republican,	523	174	562	591	643	755	1,244	4,492
George M. Houghton,	Progressive,	58	42	50	66	106	90	179	591
Edward H. Young,	Democratic,	516	471	240	198	239	290	189	2,143
Blank,		85	243	100	126	70	131	220	975
ALDERMAN-AT-LARGE, WARD 2.									
George W. Pratt,	Republican,	520	182	580	623	630	808	1,327	4,670
Alfred J. Toomey,	Democratic,	528	694	300	222	354	331	249	2,678
Blank,		134	54	72	136	74	127	256	853
ALDERMAN-AT-LARGE, WARD 3.									
Oscar W. Coddington,	Republican,	620	265	688	674	703	847	1,394	5,191
Robert Farrell,		....	....	2	....	....	....	....	2
Robert J. Farrell,		....	....	1	....	....	....	....	1
Blank,		562	665	261	307	355	419	438	3,007
ALDERMAN-AT-LARGE, WARD 4.									
William S. Barber,	Democratic,	449	470	240	235	322	301	252	2,269
Edwin Connell,	Republican,	510	173	573	651	594	773	1,246	4,520
Blank,		223	287	139	95	142	192	334	1,412
ALDERMAN-AT-LARGE, WARD 5.									
Fred E. Durgin,	Republican,	599	256	642	649	769	853	1,352	5,120
Blank,		583	674	310	332	289	413	480	3,081
ALDERMAN-AT-LARGE, WARD 6.									
Arthur W. Robinson,	Republican,	509	178	587	586	638	828	1,242	4,568
Fred E. Towne,	{ Democratic,	327	867	204	155	252	302	259	1,860
Blank,	{ Progressive,	346	391	161	240	168	136	331	1,773
ALDERMAN-AT-LARGE, WARD 7.									
Henry G. Applin,	Progressive,	179	168	127	121	155	159	292	1,201
William P. French,	Republican,	502	208	579	588	630	781	1,360	4,648
Blank,		501	534	246	272	273	326	180	2,352

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
SCHOOL COMMITTEE(2 yrs.) WARD 1.									
Thomas A. Kelley,	Democratic,	596	....	....	....	....	....	....	596
James J. Rudd,	Republican,	574	....	....	....	....	....	....	574
Blank,		77	....	....	....	....	....	....	77
SCHOOL COMMITTEE(2 yrs.) WARD 2.									
Christopher Muldoon, Jr.,	{ Democratic,	....	628	....	....	....	....	....	628
Blank,	{ Republican,	....	302	....	....	....	....	....	302
SCHOOL COMMITTEE(2 yrs.) WARD 3.									
Albert C. Ashton	Republican,	....	....	671	....	....	....	....	671
Henry G. Doyle,	{ Democratic,	....	....	403	....	....	....	....	403
Blank,	{ Independent,	....	....	56	....	....	....	....	56
SCHOOL COMMITTEE(2 yrs.) WARD 4.									
Martin P. Hogan,	{ Republican,	....	....	....	427	....	....	....	427
Frank H. Holmes,	{ Independent,	....	....	....	653	....	....	....	653
Blank,	{ Progressive,	....	....	....	66	....	....	....	66
SCHOOL COMMITTEE(2 yrs.) WARD 5.									
Julia R. Aldrich,	Republican,	....	....	....	....	1,020	....	....	1,020
Herbert McDonald,		....	....	....	....	1	....	....	1
Blank,		....	....	....	....	238	....	....	238
SCHOOL COMMITTEE(1 yr.) WARD 5.									
Harry M. Stoodley,	{ Democratic,	....	....	....	....	913	....	....	913
David J. Kelley,	{ Republican,	....	....	....	....	1	....	....	1
Blank,		....	....	....	....	345	....	....	345
SCHOOL COMMITTEE(2 yrs.) WARD 6.									
Mary R. Brewer,	{ Democratic,	....	....	....	....	....	1,078	....	1,078
Blank,	{ Progressive,	....	....	....	....	....	255	....	255
SCHOOL COMMITTEE(2 yrs.) WARD 7.									
Herbert Cholerton,	Republican,	....	....	....	....	....	1,329	....	1,329
Marian Titus Hayford,	Progressive,	....	....	....	....	....	411	....	411
Blank,		....	....	....	....	....	165	....	165
SHALL LICENSES BE GRANTED FOR THE SALE OF INTOXICAT- ING LIQUORS IN THIS CITY?									
Number of " Yes " votes,		428	506	262	171	291	290	236	2,178
Number of " No " votes,		651	320	652	729	736	930	1,517	5,535
Blank,		103	110	38	81	31	46	79	488

Liquor License Question.

The following is a statement of the votes, during the several years of its submission to the people, on the question of granting licenses for the sale of intoxicating liquors, in this city, together with the number of registered voters and the estimated population for each year:—

YEAR.	YES.	NO.	BLANK.	REGISTERED VOTERS.	ESTIMATED POPULATION
1881	979	1,222		3,678	26,000
1882	627	1,159		3,778	26,500
1883	767	1,343		4,407	27,000
1884	806	1,709		4,470	28,000
1885	428	1,604		3,969	*29,992
1886	214	1,321		4,089	32,000
1887	555	2,427		4,574	34,000
1888	744	2,456		5,399	36,000
1889	635	1,706	335	5,286	39,000
1890	999	2,282	409	5,556	*40,117
1891	1,054	2,598	279	5,938	43,000
1892	1,427	3,288	347	7,587	46,000
1893	1,547	2,654	218	7,943	48,000
1894	1,098	2,869	246	8,007	50,000
1895	1,854	4,708	459	8,410	*52,200
1896	1,466	3,680	332	9,379	54,000
1897	1,626	3,815	486	8,925	56,000
1898	1,595	3,501	486	8,657	57,500
1899	1,892	3,340	374	8,838	60,000
1900	1,660	3,427	321	9,620	*61,643
1901	1,579	3,295	374	9,499	63,500
1902	1,645	3,242	360	10,100	65,000
1903	2,248	4,410	550	11,346	67,000
1904	2,022	4,338	447	11,682	69,500
1905	2,483	4,660	531	11,340	*69,272
1906	2,193	5,204	582	11,571	70,000
1907	1,735	4,591	459	11,558	74,000
1908	1,780	4,760	491	12,777	75,500
1909	1,830	4,601	530	12,479	75,500
1910	1,544	3,968	365	12,522	*77,236
1911	2,193	4,841	492	13,226	80,000
1912	2,421	6,182	546	13,854	81,000
1913	2,348	6,431	550	13,417	82,000
1914	2,178	5,535	488	13,404	85,000

* Census.

ORDINANCES.

Somerville, January 1, 1915.

The following ordinances have been adopted since the printing of the annual reports for the year 1913:—

No. 53.**An Ordinance Relative to the Police Department.**

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. The chief of police, subject to the approval of the mayor, may employ and discharge such assistants, not regular members of the police department, as he may deem expedient, not exceeding four in all, as patrol drivers and clerks in the police department. Their compensation shall be fixed by the board of aldermen.

Section 2. This ordinance shall take effect upon its passage.

Approved February 27, 1914.

An Ordinance Relative to Garages.**No. 54.**

Be it ordained by the Board of Aldermen of the City of Somerville as follows:—

Section 1. No person shall erect, occupy or use for a garage any building or structure unless licensed by the Board of Aldermen after a public hearing, and only to the extent so licensed, and only in accordance with existing and future orders and ordinances of this board and the terms of the license. Unless such building or structure is in existence at the date of such license, or is erected within one year from the date of such license, such license at the end of said year shall become null and void.

Section 2. By the term "garage" is meant a building or structure in which an automobile charged with or containing volatile inflammable liquid for fuel or power is kept for use, whether temporarily or regularly.

Section 3. By the term "volatile liquid" is meant any liquid that will emit inflammable vapor at a temperature below one hundred degrees Fahrenheit when tested in open air.

Section 4. By the term "automobile" is meant any vehicle propelled by any power other than muscular, except steam railroad cars and engines and street railway cars and vehicles running on less than three wheels.

Section 5. Any person who shall violate any provision of this ordinance shall be liable to a penalty of not more than twenty dollars for each offense.

Section 6. This ordinance shall take effect upon its passage,

Approved April 10, 1914.

No. 55.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. No person licensed to collect junk, old metal, rags or other second-hand articles, shall engage in such collection on Washington's Birthday, Patriot's Day, Memorial Day, Bunker Hill Day, Fourth of July, Labor Day, Columbus Day, Thanksgiving or Christmas.

Section 2. Whoever violates the provision of this ordinance shall be subject to a fine not exceeding twenty dollars for each offense.

Section 3. This ordinance shall take effect upon its passage.

Approved April 25, 1914.

No. 56.**An Ordinance Relative to the Referendum.**

Be it ordained by the Board of Aldermen of the City of Somerville as follows:—

Section 1. Whenever any question is to be placed upon the ballot at any election, to be voted upon by the voters taking part in such election, it shall be the duty of the city clerk to cause to be sent to each of the registered voters in this city entitled to vote thereon, at least seven days prior to such election, a statement of the probable expenditure of money by the city, if any, which might be rendered necessary by the vote upon such question.

Section 2. This ordinance shall take effect upon its passage.

Approved May 15, 1914.

No. 57.**An Ordinance Relative to the Police Department.**

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. Chapter XIX of the Revised Ordinances of 1911 is hereby amended by striking out section 1 and inserting in place thereof the following section: Section 1. The police department shall consist of a chief of police, a captain, six lieutenants (two of whom shall be inspectors), four sergeants, such number of patrolmen as the Board of Aldermen may from time to time determine and a reserve force of ten men. They shall take rank in the order in which they are named.

Section 2. This ordinance shall take effect upon its passage.

Approved September 10, 1914.

FREDERIC W. COOK,
City Clerk.

JURY LIST OF THE CITY OF SOMERVILLE.

Prepared by the Registrars of Voters, June 25, 1914.

A

Abbott, Edward D., 69 Craigie st., Painter.
Adam, George, Jr., 5-a Evergreen Ave., Carpenter.
Adams, Charles L., 26-a Aberdeen rd., Buyer.
Adams, Herbert G., 25 Newbury st., Boiler Constructor.
Adcock, John H., 205 Highland ave., Plumber.
Alberty, George W., 74 Bay State ave., Manager.
Aldrich, Allie C., 26 Wisconsin ave., Route Foreman.
Aldrich, Carl G., 25 Warner st., Jeweller.
Aldrich, Clifton E., 112 Pearson rd., Salesman.
Allen, Fred E., Jr., 5 Ashland st., Collector.
Allen, Harry G., 16 Chester place, Salesman.
Alexander, William Jr., 234 Pearl st., Machinist.
Amee, Albert F., 17 Russell st., Stationer.
Anderson, Guy R., 72 Broadway, Salesman.
Andrews, Clifford W., 91 Highland rd., Manager.
Andrews, Orin, 73-a Cross st., Foreman.
Anthony, Charles P., 14 Professors Row, Musician.
Appel, Charles A., 65 Willow ave., Office Manager.
Armstrong, Byron T., 14 New Cross st., Salesman.
Armstrong, Frank F., 91 Summer st., Foreman.
Arnold, Dwight E., 110 Perkins st., Plumber.
Arnold, Martin M., 33 Lexington ave., Salesman.
Ashton, Albert C., 33 Columbus ave., Valve Mfr.
Ashworth, Fred N., 104 Cross st., Manufacturer.
Atkinson, Thomas, 69 Highland rd., Superintendent.
Atwood, William J., 375 Medford st., Buyer.
Austin, James T., 557 Somerville ave., Clerk.

B

Bacon, Clarence L., 112 Thurston st., Clerk.
Bacon, Oliver, 19 Pembroke st., No occupation.
Bagwell, James F., 15 Pinckney st., Carpenter.
Bailey, George A., 50 Boston st., Time keeper.
Bailey, Stanton C., 50-r College ave., No occupation.
Baker, Albert V., 8 Brastow ave., Manager.
Baker, Benjamin O., 3 Lee st., Butter dealer.
Baker, Charles T., 93 Munroe st., Musician.
Baker, Tennyson L., 22 Hall st., Clerk.
Baker, Warren L., 45 White st., Builder.
Baldwin, Warren J., 82 Mt. Vernon st., Bookkeeper.
Barbrick, Alexander C., 75 Central st., Paperhanger.
Barclay, Harry J., 31 Whitfield rd., Bookkeeper.
Barker, Samuel S., 91 Oxford st., Salesman.
Barnes, Edmund K., 34 Lexington ave., Chemist.
Barrett, Rufus G., 115 Cedar st., Printer.
Barron, Warren J., 3 Grove st., Claim Agent.
Barry, Patrick J., 9 Wyatt circle, Laborer.
Bartlett, Albert K., 8 Delaware st., Teamster.
Barton, Walter E., 15 Vinal ave., Clerk.
Batcheller, Frank W., 119 College ave., Salesman.
Baum, Horace J., 89 Cross st., Clerk.
Beacham, Elmer E., 482 Broadway, Furniture mover.
Bearse, John P., 31 Mason st., Butter dealer.
Beck, Vere F., 36 Rush st., Teamster.
Beeden, Henry M., 68 Mt. Pleasant court, Car Inspector.

Bell, William, 138 Pearl st., Baker.
Bellows, George M., 611 Broadway, Salesman.
Belyea, Charles T., 39 Crocker st., Salesman.
Bennett, Frank D., 55 Richdale ave., Milk Striker.
Bennett, George H., 15 Prichard ave., Mechanic.
Benson, Henry A., 13 Pleasant ave., Ice man.
Benting, John M., 90 Highland rd., Clerk.
Benton, Forest T., 47 Cherry st., meat cutter.
Berg, Edward L., 15 Alston st., Sash and door maker.
Berry, Arthur W., 53 Hudson st., Contractor.
Berry, Charles A., 128 Orchard st., Manager.
Berton, John F., 154 Morrison ave., Painter.
Beverly, Ralph E., 160 Walnut st., Bookkeeper.
Bigley, William J., 157 College ave., Salesman.
Biller, Max, 330-r Beacon st., Storekeeper.
Billings, Harry E., 11 Sargent ave., Clerk.
Binney, Edward A., 39-a Walnut st., Real estate agent.
Bishop, Clarence H., 32 Otis st., Shipper.
Bishop, Patrick J., 287 Beacon st., Carpenter.
Bixby, Charles M., 72 Elm st., No occupation.
Bjornson, Henry L., 86 Morrison ave., Estimator.
Blair, J. Roland, 240 Highland ave., Clerk.
Blaisdell, Lester C., 20 Everett ave., Driver.
Blake, Arthur W., 131 Josephine ave., Dry goods dealer.
Blake, Charles S., 19 Banks st., Jeweller.
Blake, William J., 80 Partridge ave., Mailer.
Blanchard, John B. S., 162 Walnut st., Bookkeeper.
Boland, Martin F., 33 Ossipee rd., Druggist.
Boodry, George R., 26 Josephine ave., Printer.
Booth, James, 19 Mystic st., Watchman.
Booth, William G., 51 College ave., Designer.
Boudreau, William H., 25 Loring st., Machinist.
Boutelle, Frank L., 8 Mount Vernon st., Store keeper.
Boutwell, Marcus N., 203 School st., Clerk.
Bowen, Lorenzo W., 16 Broadway, Real estate dealer.
Bowers, Charles E., 19 Stickney ave., Clerk.
Bowers, Frank S., 76 Raymond ave., Driver.
Bowley, Clifton L., 9 Broadway, Time keeper.
Boyd, George W., 78 Oak st., Laundry foreman.
Brackett, Charles S., 163 Walnut st., Hat Manufacturer.
Brackett, Frank E., 85 Glen st., Foreman.
Brackett, Harry B., 201 Morrison ave., No occupation.
Brady, Christopher F., 17 Stone ave., Shoe worker.
Bremner, John A., 49 Bow st., Decorator.
Brennan, Richard A., 6 Gibbens st., Clerk.
Brewer, George C., 170 Summer st., Insurance agent.
Brick, John J., 69 Grant st., Mason.
Briggs, Harry G., 49 Josephine ave., Musician.
Brigham, Walter G., 100 Conwell ave., Driver.
Britton, Byron B., 21 Conwell st., Clerk.
Broadhead, William H., 86 School st., Electrician.
Brockhaus, Oscar W., 65 Pearson ave., Blacksmith.
Brophy, Patrick J., 27 Brook st., Carpet Layer.
Brown, Allan F., 29 Summer st., Pattern maker.
Brown, Alexander R., 84 Line st., Lather.
Brown, Austin F., 28 Aberdeen rd., No occupation.
Brown, Frederic H., 26 Preston rd., Foreman.
Brown, Leslie C., 198 Cedar st., Clerk.
Brunton, David T., 216 Broadway, Foreman.
Bryant, Edgar S., 31 Bradley st., Undertaker.
Bryant, Oliver S., 29 Aberdeen rd., Foreman.

Buckley, Cornelius S., 9 Tufts st., Sheet metal worker.
 Buckmaster, Edwin A., 116 Cedar st., Elec. engineer.
 Buker, Luther M., 250 Broadway, Clerk.
 Bullard, Albert W., 24 Howe st., Manager.
 Bullard, Elbridge A., 21 Kidder ave., Slate dealer.
 Bullard, Walter H., 22 Stickney ave., Clerk.
 Burckes, Arthur L., 18 Sargent ave., Real estate agent.
 Burdell, John E., 50 College ave., Plumber.
 Burdick, Francis A., 57 Columbus ave., Nurse.
 Burke, Michael J., 337 Lowell st., Real estate agent.
 Burnett, Harry B., 16 Windsor rd., Bookkeeper.
 Burnham, Walter L., 88 Josephine ave., Clerk.
 Burns, Andrew J., 103 Porter st., Foreman.
 Busby, George R., 69 Joy st., Barrel dealer.
 Buttimer, Edward M., 351 Lowell st., Builder.

C

Cahill, Denis J., 7-a Austin st., No occupation.
 Caldwell, Charles F., 5 Hancock st., Salesman.
 Calkin, John B., 30 Irving st., Stockman.
 Callaghan, Eugene F., 63 Poplar st., Brakeman.
 Cameron, George B., 170 Powder house blvd., Builder.
 Campbell, George S., 17 Windsor rd., Buyer.
 Campbell, John W., 169 Highland ave., Paint dealer.
 Canty, James J., 98 Highland rd., Steam fitter.
 Carlton, Oscar M., 7 Putnam st., Salesman.
 Carney, Richard I., 398 Medford st., Chemist.
 Carpenter, George O., 92 Highland ave., Butter broker.
 Carpenter, Herbert L., 83 Highland rd., Traveling salesman.
 Carr, James D., 11 Clark st., Electrotyper.
 Carr, Roy W., 130 College ave., Confectioner.
 Carrick, Samuel P., 271 Medford st., Editor.
 Carter, Charles E., 12 Grand View ave., Engineer.
 Caseau, Victor A., 17 Charnwood rd., Public accountant.
 Casey, William F., 53 Beacon st., Machinist.
 Cassidy, James J., 11 Pearl terrace, Printer.
 Cates, Gleason B., 77 Winslow ave., Driver.
 Caverly, Irvin C., 32 Chandler st., Automobile dealer.
 Cavicchio, Erasmo, 169 Somerville ave., Grocer.
 Chandler, Harry S., 45 Jaques st., Superintendent.
 Chapin, Alonzo B., 11 Mystic st., Collector.
 Chase, Leon C., 10 Dearborn rd., Broker.
 Cheney, Frederick E., 11 Oakland ave., Grocer.
 Cheney, Oscar E., 19 Crocker st., Clerk.
 Cholfin, Samuel, 79-a Webster ave., Grain dealer.
 Christie, Alexander B., 159 Glen st., Master teamster.
 Chute, Edward S., 84 Moreland st., Teamster.
 Chute, Thomas H., 84 Moreland st., Teamster.
 Clark, Alton L., 22 Bonner ave., Plumber.
 Clark, Bay W., 3 Perkins pl., Foreman.
 Cleveland, William H., 75 Prentiss st., Electrician.
 Clark, Charles W., 21 Westminster st., Salesman.
 Clough, Merrill J., 14 Aldrich st., Printer.
 Cobb, Joseph W., 6 Crescent st., Clerk.
 Cochrane, Carl H., 97 Bromfield rd., Salesman.
 Collingham, George T., 36 Francesca ave., Real estate a't.
 Collins, Orrin S., 27 Craigie st., Painter.
 Colpas, George D., 67 Derby st., Clerk.
 Conant, John B., 189 Summer st., Manager.
 Connor, John F., 16 Hathorn st., Stable keeper.
 Conohan, William J. G., 60 Mt. Vernon st., Supt.

Conroy, John J., 10 Florence st., Plate printer.
 Conroy, Michael J., 6 Addison pl., Laborer.
 Converse, Frederick F. B., 74 Ossipee rd., Clerk.
 Conwell, John H., 402 Somerville ave., Teamster.
 Coombs, John W., 2 Beckwith circle, Printer.
 Cooper, John M., 40 Nashua st., Laborer.
 Corbett, Andrew T., 28 Beacon st., Cloth inspector.
 Corliss, Alfred, 22 Knapp st., Pork products dealer.
 Corson, Harold E., 119 Bartlett st., Manager.
 Cotter, John, 17 Hathorn st., Foreman.
 Cotter, Joseph T., 11 Harvard st., Laundry agent.
 Coughlin, Jeremiah F., 351 Washington st., Machinist.
 Cowan, John F., 332 Summer st., Printer.
 Coyle, David J., 43 Mansfield st., Clerk.
 Coyle, George N., 66 Pearl st., Coal dealer.
 Crampton, Arthur W., 45 Mason st., Salesman.
 Crawford, James A., 26 Eastman rd., Contractor.
 Crenner, Bartlett P., 61 Adams st., Leather dealer.
 Crocker, Charles F., 42 Curtis st., Grocer.
 Crocker, David W., 42 Curtis st., Salesman.
 Cronin, Jeremiah, 9 Belmont sq., Checker.
 Cross, Edward M., 52 Liberty ave., Clerk.
 Cross, Henry L., 14 Belknap st., Broker.
 Crossman, Frank N., 16 Moore st., Builder.
 Crowne, Michael, 51 Ibbetson st., Butcher.
 Crowell, Cutler C., 85 Benton rd., Printer.
 Crowley, James B., 1-a Putnam st., Molder.
 Croy, Frank J., 67 Beacon st., Driver.
 Crumley, Herbert D., 15 Grove st., Chemist.
 Cullen, Charles J., 2 Linehan court, Laborer.
 Cullinan, William, 14 Granite st., Laborer.
 Cullis, Charles A., 50 College ave., No occupation.
 Cummings, Francis J., 41 Chestnut st., Teamster.
 Cummings, Frederick O., 9 Virginia st., Clerk.
 Cummings, Jeremiah, 26 Laurel st., Laborer.
 Cummings, Leslie O., 38 Vinal ave., Student.
 Cummings, Walter L., 19 Cross st., Engraver.
 Cunio, Joseph, 78 Park st., Machinist.
 Currie, John, 83 Curtis st., Printer.
 Curry, Frank J., 10 Stanford ter., Clerk.
 Curtis, Harry W., 33 Fenwick st., Agent.
 Cushing, Raymond E., 219 Powder House blvd., Clerk.
 Custer, William N., 73 Bay State ave., Clerk.

D

Daggett, Charles H., 90 Bromfield rd., Salesman.
 Dakin, Herbert H., Jr., 73 Adams st., Chemist.
 Daley, Charles, 13 Florence st., Teamster.
 Daley, Charles H., 64 Glenwood rd., Car Starter.
 Daley, Joseph B., 109 Highland ave., Elevated man.
 Dallas, Joseph J., 230 Broadway, Printer.
 Dalton, James H., 39 Hall ave., Grocer.
 Daly, Charles E., 6 Joy st., Salesman.
 Damon, Anson C., 64 Lowell st., Car inspector.
 Danielson, Alfred O., 9 Dana st., Salesman.
 Danner, Joseph H., 78 Bay State ave., trav. salesman.
 Darby, Frederick C., 48 Mystic ave., Superintendent.
 Dardis, John F., 307 Washington st., Polisher.
 Davenport, Howard H., 86 Munroe st., Ice dealer.
 Davis, Charles N., 15 Landers st., stationary engineer.
 Davis, Henry C., Jr., 88 Powder House blvd., Broker.

Davis, Maurice L., 22 Dover st., Ass't. Superintendent.
 Davison, George H., 18 Mossland st., Electrotyper.
 Dawson, Howard, 70 Albion st., Cashier.
 Day, John, 100 Fremont st., Musician.
 Dearborn, Charles R., 9 Putnam st., Shipper.
 Dearborn, George A., 28 Windsor rd., Messenger.
 Dean, James E., 77 Jaques st., Foreman.
 DeCaro, Frank, 44 Wisconsin ave., Electrician.
 Deering, Frank B., Jr., 35 Derby st., Clerk.
 Delorme, George F., 29 Trull st., Nickel plater.
 Denault, Edmond A., 26 Montrose st., Clerk.
 Deneski, Peter J., 115 Museum st., Draftsman.
 Denvir, George H., 197 Summer st., Collector.
 Despeaux, Geo. W., 46 Burnside ave., Tel. connector.
 Delvin, John T., 80 Josephine ave., Restaurant keeper.
 Dexter, Alonzo P., 58 Main st., Provision dealer.
 Dingwell, Nathan M., 24 Charnwood rd., No occupation.
 Dixon, David J., 27 Prichard ave., Painter.
 Dobinson, William J., 22 Greene st., Photo engraver.
 Dods, William J., 22 Bartlett st., Inspector.
 Doheney, Edward J., 9 Autumn st., Grocer.
 Doherty, George L., 169 Washington st., Undertaker.
 Doherty, Neil A. F., 41 Springfield st., Plumber.
 Doherty, William T., 2 Leonard pl., Laborer.
 Dolan, Thomas J., 16 Evergreen square, Laborer.
 Donahue, John P., 101 Linwood st., Teamster.
 Donahue, Michael J., 53 Park st., Laundry Agent.
 Donahue, William J., 148 Medford st., Laundry agent.
 Donle, William C., 196 Summer st., Bond salesman.
 Donnelly, James A., 946 Broadway, Salesman.
 Donnelly, James F., 121 Heath st., Gardener.
 Donoghue, William J., 10 Perry st., Blacksmith.
 Donoho, Chris L., 53 Laurel st., Printer.
 Donovan, Francis X., 37 Ossipee rd., salesman.
 Donovan, Michael, 82 Wallace st., Mattress maker.
 Donovan, Timothy T., 13 Mondamin court, Shipper.
 Douglass, Herman F., 40 Derby st., Cutter.
 Doyle, Charles T., 7 Laurel ave., Salesman.
 Doyle, Michael J., 23 Lake st., Tube worker.
 Drew, Alfred W., 80 Electric ave., Salesman.
 Drew, Frank M., 18 Park ave., Tel. superintendent.
 Driscoll, William F., 6 Acadia Park, Painter.
 Drouet, E. Charles, 66 Walnut st., Real estate agent.
 Dudley, Joseph A., 42 Lowden ave., Bookkeeper.
 Duffy, John W., 82 Line st., Night foreman.
 Duggan, Jacob W., 134 College ave., Secretary.
 Duggan, John P., 12 Edmands st., Woodworker.
 Duggan, Timothy J., 8 School st., Laborer.
 Duhig, John M., 34 Highland ave., Paper ruler.
 Duncan, William A., Jr., 22 Tenney court, Undertaker.
 Dunham, Harry A., 496 Medford st., Merchant.
 Durell, Henry C., 8 Whitfield rd., Salesman.
 Dwyer, James A., 48 Atherton st., Grocer.
 Dwyer, John F., 72 Cedar st., Telephone inspector.
 Dyer, Charles W., 23 Wigglesworth st., Builder.
 Dyer, Harris N., 23 Wigglesworth st., Brakeman.
 Dykeman, William A., 60 Marshall st., Architect.

E

Eagan, George F., 45-a Dane st., Box maker.
 Earle, Clarence E., 318 Summer st., Printer.

Eaton, Arthur W., 12 Westminster st., Salesman.
 Edgerly, Clarence E., 208 Morrison ave., Artist.
 Edgerly, Frank C., 17 Veazie st., Milk dealer.
 Edgerton, Earle B., 7 Tower st., Printer.
 Edmands, Augustine D., Jr., 47 Teele ave., Motorman.
 Edmond, George A., 27 Gilman ter., Machinist.
 Edson, Charles A., 9 Dana st., Confectioner.
 Edwards, Waldo G., 134 Powder house blvd., Appraiser.
 Egan, Augustine F., 38 Pinckney st., Stenographer.
 Egerton, Charles S., 63 Boston st., No occupation.
 Egge, William H., 175 School st., Die sinker.
 Eldridge, George W., 89 Lowell st., Ice cream dealer.
 Eldridge, Osmond P., 227 Pearl st., Stockman.
 Elie, Rudolph F., 35 Fenwick st., Salesman.
 Elkins, Edward J., 30 Maple st., Teamster.
 Elliott, Waldo F., 28 Grant st., Bookkeeper.
 Ellison, Leroy A., 11 Craigie ter., No occupation.
 Emerson, John M., 22 Arthur st., Brazier.
 Emery, Everett C., 45 Prescott st., Clerk.
 Epps, Charles A., 25 Cedar st., Clerk.
 Eubanks, Frederick T., 8 Cherry st., Drug clerk.
 Evans, Harrison L., 39 Packard ave., Broker.
 Evers, Harry F., 63 Poplar st., Glazier.
 Ewing, Joseph A., 296½ Broadway, Salesman.

F

Fairbairn, George C., 15 Rush st., Drug clerk.
 Farrell, John, 219-a Pearl st., Carpenter.
 Faust, Werner S., 126 Hudson st., Tailor.
 Forg, Frederick E., 56 Meacham rd., Machinist.
 Fournier, George S., 21 Maple ave., Painter.
 Fowle, Samuel C. C., 62 Otis st., Master teamster.
 Fraser, George H., 47 Fremont st., Teamster.
 Freedman, Richard, 87 Bartlett st., Salesman.
 French, Noyes E., 223 School st., Restaurant keeper.
 Fuller, Harry L., 83 Willow ave., Manager.
 Fuller, Herbert A., 31 Charnwood rd., Trav. salesman.

G

Gage, B. Raymond, 43 Evergreen ave., Clerk.
 Gage, Sewall J., 96 Sycamore st., Collector.
 Galvin, James F., 30 Trull st., Boiler-maker.
 Galvin, James M., 472 Broadway, Real estate agent.
 Garland, Charles T., 158 Pearl st., Coal dealer.
 Garland, Leslie M., 22 Gorham st., Salesman.
 Garland, L. Philip, 16 Dearborn rd., Salesman.
 Garrett, Frank R., 226 Elm st., Grocer.
 Garrett, Winslow C., 6 Steeves Circle, Clerk.
 Geary, John F., 14 Ellsworth st., Lineman.
 Geary, Michael A., 48 Holyoke rd., No occupation.
 Geddes, James, 88 Munroe st., Manager.
 Gerry, Clarence E., 73 Simpson ave., Salesman.
 Gibby, Adam H., 200 Summer st., Electrician.
 Gibby, Frank L., 42 Montrose st., Clerk.
 Gilbert, Osgood A., 162 Sycamore st., Brokerage Pres.
 Giles, G. Everett, 341 Summer st., Salesman.
 Gillis, Daniel B., 27 Willow ave., Builder.
 Gissler, Ernest L., 97 Beacon st., Insurance broker.
 Glenn, John, 12 Putnam st., Salesman.
 Glidden, Julian E., 56 Otis st., Salesman.
 Glover, Ellis H., 36 Tufts st., Teamster.

Godfrey, Walter J., 14 Harvard pl., Master painter.
 Goebel, John W., 90 Pearson ave., Manager.
 Golden, Isaac, 9 Crown st., Manager.
 Goldsmith, Edgar H., 13 Sargent ave., Clerk.
 Good, Richard Y., 30 Brastow ave., Manager.
 Goode, Richard H., 30 Brastow ave., Salesman.
 Gordon, Harry W., 88 Ossipee rd., Clerk.
 Gorman, Daniel D., 11-a Ashland st., Salesman.
 Goss, William E., 30 Oxford st., Draftsman.
 Gotlob, Morris G., 10 Liberty ave., Salesman.
 Goudie, Alexander, 49 Marshall st., Painter.
 Gould, William T., 65 Pearson ave., Operator.
 Gove, George H., 14 Wesley st., Civil Engineer.
 Grace, William B., 85-a Partridge ave., Merchant.
 Grady, Dennis, 358 Lowell st., Tailor.
 Grady, Robert, 48 Spencer ave., Tailor.
 Graham, David, 18 Richardson st., Electrician.
 Grant, Richard W., 67 Boston st., Supervisor music.
 Graves, Frank W., 27 Winslow ave., Car inspector.
 Gray, Joseph S., 264 Broadway, Driver.
 Gazeley, Arthur E., 94 Marshall st., Sec. Y. M. C. A.
 Greene, Frederick A., 203 Pearl st., Real estate agent.
 Greenwood, Elmer E., 15 Paulina st., Towel supply man.
 Gridley, Joseph, 179 Highland ave., Restaurant prop.
 Grindell, Henry H., 47-a Porter st., Carpenter.
 Grohe, Lester A., 33 Bromfield rd., Shipper.
 Grover, Nelson H., 26 Oxford st., Advertiser.
 Groves, Leander F., 9 Eastman rd., Plumber.
 Guilford, Harry E., 5 Joy st. place, Machinist.

H

Hadley, Norris E., 35 Conwell ave., Draughtsman.
 Hadley, William L., 54 Beacon st., Clerk.
 Haff, George L., 20 Wesley st., Clerk.
 Hafford, Francis A., 327 Washington st., Salesman.
 Hager, John M., 27 Walter st., Milk dealer.
 Haines, Alonzo M., 63 Berkeley st., Manager.
 Haley, Cornelius, 125 Linwood st., Chauffeur.
 Haley, Daniel F., 42 Bow st., Real estate agent.
 Haley, Joseph A., 7 Linden st., Printer.
 Hall, Arthur S., 17 Maple ave., Clerk.
 Hall, Ernest G., 69 Grant st., Chauffeur.
 Hall, Frederick D., 26 Dartmouth st., Electrical Eng.
 Hall, George G., 89 Cross st., Composer.
 Hall, Harley E., 22 Pleasant ave., Stable keeper.
 Hall, L. Vernon, 43 Madison st., Engineer.
 Hall, Roy, 100 Conwell ave., Clerk.
 Hallahan, William J., 28-a Lake st., Tube maker.
 Hallett, George A., 26 St. James ave., Engineer.
 Hamilton, Alexander M., 219 Summer st., Fish dealer.
 Hamilton, George L., 24 Spencer ave., Jeweller.
 Hamilton, John R., 224 Willow ave., Parcel Room agent.
 Hamilton, William, 24 Spencer ave., Druggist.
 Hammond, Russell J., 28 Spencer ave., Draughtsman.
 Handy, Daniel N., 90 Oxford st., Librarian.
 Handy, Otis A., 11 Heath st., Printer.
 Haney, Joseph G., 31 Fountain ave., Clerk.
 Hanley, William F., 1 Beckwith circle, Salesman.
 Hanna, William F., 30 Fenwick st., Composer.
 Harding, Henry J., 41 Mt. Vernon st., Musician.
 Harding, William F., 330-a Highland ave., No occupation.

Harlow, Hugh J., 9 Leon st., Engineer.
 Harmer, James T., 18 Adams st., Railway President.
 Harmon, Charles H., 163 Willow ave., Salesman.
 Harrigan, David J., 38 Beacon st., Bookkeeper.
 Harrington, Arthur D., 26 Oak st., Salesman.
 Harris, J. Roy, 20 Melvin st., Draftsman.
 Hart, Charles J., 38 Bay State ave., Optician.
 Hart, Michael J., 16 Perry st., Foreman mason.
 Haskell, Albert L., 60 Putnam st., Printer.
 Haskell, Arthur F. F., 26 Bay State ave., Civil engineer.
 Hastings, Herbert A., 17 Pleasant ave., Conductor.
 Hatch, Arthur E., 46 Browning rd., Pres. Dredging Co.
 Hatch, Crawford A., 6 Herbert st., Pianist.
 Hatch, Harry W., 10 Gilman ter., Clerk.
 Hatch, J Edward, 52½ Florence st., Foreman.
 Hatch, Selden L., 79 Benton rd., Teamster.
 Hathaway, William T., 27 Pearson rd., Bookkeeper.
 Hattin, Gono, 8 Francis st., Inspector of meat.
 Hayden, Robert V., 29 Linden ave., Salesman.
 Hayes, Arthur E., 8 Otis st., Baker.
 Hayes, Harry E., 38 Whitfield rd., Electrical engineer.
 Hayward, Frank H., 271 Willow ave., Salesman.
 Hayward, Frederick H., 9 Endicott ave., Grocer.
 Hayward, John G., 5 Windom st., Trustee.
 Heald, Francis, 44-a Spencer ave., Salesman.
 Healy, Robert W., 53 Beacon st., Meter installer.
 Heater, Frank W., 238 Powder house bld., Manager.
 Hemingway, Hermon S., 8 Oakland ave., Real estate Ag't.
 Henderson, Charles P., 61 Rogers ave., Hatter.
 Henderson, Herbert L., 28 Billingham st., Salesman.
 Henderson, Joseph J., 242 Summer st., Clerk.
 Henry, Edmund, 68 Josephine ave., Salesman.
 Herbst, Robert, 15 Flint st., Rubber worker.
 Herrick, George W., 73 Mt. Vernon st., Coal & wood.
 Hibbard, John P., 19 Willoughby st., Optician.
 Higgins, Byron E., 243 School st., Mason.
 Higgins, Frederick A., 25 Berkeley st., Printer.
 Higgins, George H., 71 Simpson ave., Clerk.
 Higgins, Harrison P., 10 Waldo st., Confectioner.
 Higgins, Herbert S., 39 Electric ave., Wood moulder.
 Higgins, Joseph T., 35 Laurel st., Architect.
 Hill, Allen Philip, 155 Sycamore st., Manager.
 Hill, Arthur B., 17 Norwood ave., Musician.
 Hills, Arthur T., 8 Teele ave., Salesman.
 Hills, William H., 41 Belmont st., Editor.
 Hitchcock, Fred G., 68 Mt. Pleasant st., Teamster.
 Hoar, George F., 94 Conwell ave., Salesman.
 Hodge, Charles W., 26 Billingham st., Accountant.
 Hodgkins, Edward S., 139 Orchard st., Clerk.
 Hodgkins, John F., 14 Gilman ter., Carpenter.
 Hoit, Edward P., 275 Highland ave., Fish dealer.
 Hollis, George O., 45 Marshall st., Milk striker.
 Holloran, John W., 67 West Adams st., Salesman.
 Holmes, Frederick M., 22 Maple ave., Salesman.
 Holmes, Jacob R., 14 Hall st., Driver.
 Holmes, Ralph N., 67 Lexington ave., Electrician.
 Holt, Arthur T., 41 Laurel st., Chauffeur.
 Honold, Kerman G., 38 Ossipee rd., Draughtsman.
 Hooper, Harry A., 41 Munroe st., No occupation.
 Hopkins, Charles O., Jr., 268 Willow ave., Clerk.
 Hopkins, James L., 104 Sycamore st., Music teacher.

Hopkins, Willis F., 10 Lee st., Manager.
 Horrigan, Daniel F., 396-a Washington st., Helper.
 Horrigan, James J., 9 Richardson ter., Teamster.
 Horsman, Blair W., 30 Francesca ave., Auto repairer.
 Horton, Clarence R., 44 Banks st., Salesman.
 Horton, Clarence W., 48 Irving st., Ass't. Treasurer.
 Hosmer, Ralph H., 51 Mt. Vernon st., Poultry dealer.
 Houghton, Edgar W., 20 Gilman ter., Manager.
 Houghton, Edmund W., 19 George st., Teamster.
 Houghton, Edward H. S., 29 Columbus ave., Cutter.
 Houghton, J. Clifton, 16 Walnut rd., Carpenter.
 Hovey, Charles N., 70 Josephine ave., Bookkeeper.
 Howard, Charles W., 54 Spring st., Provision dealer.
 Howard, Eugene P., 11 Hall ave., Salesman.
 Howard, Michael, 41 Dane ave., Laborer.
 Hoyle, Joseph F., 12 Mortimer pl., Clerk.
 Hoyt, Fred A., 73 Chandler st., Superintendent.
 Hubbard, Harry F., 37 Charnwood rd., Salesman.
 Huff, Wilbur S., 55 Bartlett st., Bookkeeper.
 Hughes, Charles W., 267 Highland ave., Painter.
 Humphrey, Walter E., 50 Albion st., Dental clerk.
 Hunkins, Frank J., 23 Charnwood rd., Carpenter.
 Hunter, Robert B., 114 Rogers ave., Cableman.
 Hutchins, Charles K., 24 Wesley pk., No occupation.
 Hyde, Joseph W., 31 Sewall st., Clerk.

I

Inman, Allen C., 89 Josephine ave., Secretary.
 Innes, Herbert H., 49 Cross st., Foreman.
 Ireland, George H., 597 Broadway, Blacksmith.

J

Jackson, Herbert, 10 Clifton st., Machinist.
 Jackson, William L., 27 College ave., Clerk.
 James, George F., 66 Mystic ave., Teamster.
 Jameson, William A., 57 Lowden ave., Real estate agent.
 Janes, George Francis, 63 Evergreen ave., Salesman.
 Jaques, George T., 43 Temple st., Teamster.
 Jardine, David T., 35 Fairmount ave., Carpenter.
 Jelly, William J., 77-a Moreland st., Iron worker.
 Jennings, Chester R., 22 Cedar st., Clerk.
 Jillson, George W., 34 Wheatland st., Teamster.
 Johnson, Arthur H., 128 Powder House blvd., Salesman.
 Johnson, August, 54 Walker st., Painter.
 Johnson, Hartley S., 54 West Adams st., Salesman.
 Johnson, LaForrest H., 209 Willow ave., Salesman.
 Johnson, Walter M., 48 Tennyson st., Musician.
 Johnston, James, 44 Skehan st., Mechanic.
 Jones, Arthur V., 27 Walnut st., Clerk.
 Jones, Fred B., 18 Bromfield rd., Manufacturer.
 Jones, Guy E., 208 Holland st., Electrical engineer.
 Jordan, Fred W., 216 Elm st., Cement manufacturer.
 Joslin, Arthur B., 49 Francesca ave., Teller.
 Jouett, Fred C., 27 Chester st., Salesman.
 Joyall, Norman C., 32 Franklin ave., Engineer's helper.
 Justis, Albert Y., 10 Farragut ave., Shipper.

K

Kaula, Charles H., 38 Richdale ave., Clerk.
 Keach, Charles A., 34 Lowden ave., Clerk.

Keay, Fred E., 153 College ave., Manager.
 Keene, Charles H., 12-a Kensington ave., Superintendent.
 Kegler, Albert G., 34 Lowden ave., Clerk.
 Keith, LeRoy C., 45 Florence st., Brakeman.
 Kelley, John B., 250 Willow ave., Monotype operator.
 Kellogg, Herbert B., 104 Boston ave., Salesman.
 Kellough, Thomas H., 23 Prichard ave., Cashier.
 Kemp, Edward F., 457 Medford st., Nut dealer.
 Kennamon, Thomas W., 47 Main st., Teamster.
 Kennedy, James J., 43 Dartmouth st., Truckman.
 Kent, Benjamin F., 65 Rogers ave., Salesman.
 Keyes, Charles A., 6 Adams st., Butter dealer.
 Kidder, Charles A., 100 Central st., Manager.
 Kiley, Richard, 122 Heath st., Fireman.
 Kilrain, John J., 13 Clyde st., Boxing instructor.
 King, Charles R., 9 Prospect Hill ave., Grocer.
 King, Guy F., 96 Pearson ave., Station agent.
 Kinney, Edgar L., 92 Sycamore st., Bookkeeper.
 Kinsman, William L., 2 Carver st., Carpenter.
 Kirk, Richard, 11-a Austin st., Motorman.
 Knight, Perley H., 20 Preston rd., Printer.
 Knight, Thomas S., 114 Professors' row, Manager.
 Kramer, Everett A., 26 Madison st., Shipper.
 Kuhn, William H., 227 Summer st., Clerk.

L

Labrie, Samuel, 3 Henderson st., No occupation.
 Lackey, Wells E., 12 Tennyson st., News dealer.
 Ladd, George W., 14 Elston st., Blacksmith.
 Lahey, John E., 148-r Linwood st., Teamster.
 Lailer, Waldo H., 61 Glenwood rd., Salesman.
 Laird, William M., 6 Glendale ave., Telegraph operator.
 Lakin, George W., 215 College ave., Broker.
 Lally, James J., 48 Florence st., Teamster.
 Lamont, George H., 13 Conwell ave., Salesman.
 Lamphear, Harry A., 1265 Broadway, Motorman.
 Land, Lawrence P., 60 Marshall st., Agent.
 Landers, Norman H., 48 School st., Manager.
 Lane, Edward A., 20 Wyatt st., Salesman.
 Lane, George B., 65 Bromfield rd., Restaurant keeper.
 Lane, John J., 46 Wisconsin ave., Foreman.
 Lane, William H., 24 Wheatland st., Teamster.
 Landon, Harry, 41 Sargent ave., Druggist.
 Langley, Charles H., 430 Broadway, Clerk.
 Laskey, Frank S., 25 Boston st., Manager.
 Leavitt, Frank W., 464 Somerville ave., Carriage mfr.
 Lee, Harry S., 50 Madison st., Floor manager.
 LeFort, Dennis, 12 Hancock st., Foreman.
 LeFebre, Frederick J., 159 College ave., Clerk.
 Leitch, Samuel, 93 Liberty ave., Clerk.
 Leonard, Edward, 8 Brastow ave., Trainman.
 Lerner, Albert A., 24 Gilman ter., Paper dealer.
 Lewis, Ernest L., 292 Highland ave., Shipper.
 Lewis, Horace A., 7 Medina Bld., Elm st., R. Est. dealer.
 Libby, Clarence J., 285 Medford st., Bookkeeper.
 Libby, George R., 61 Hall ave., Stationer.
 Libbey, Maurice F., 25 Melvin st., Ice Cream Mfr.
 Lina, Manuel M., 26 Dimick st., Mox maker.
 Lindsay, Thomas, 14 Hathorn st., Ice weigher.
 Little, Malcolm G., 15 Westminster st., Salesman.
 Little, Wallace H., 32 Francesca ave., Picture framer.

Little, William F., 25 Webster ave., Laborer.
 Littlefield, Thatcher E., 71 Bay State ave., Lumber dealer.
 Locatelli, John E., 86 Lowell st., Builder.
 Locke, Albert V., 74 Bromfield rd., Salesman.
 Locke, George H., 22 Montrose st., Salesman.
 Locke, Stephen S., 11 Prospect Hill ave., Salesman.
 Lombard, John H., 15 Walnut rd., Teamster.
 Lombard, Peter J., 112 Thurston st., Foreman.
 Long, Edward J., 22 Windom st., Motorman.
 Long, John H., 113 School st., Driver.
 Lord, Delbert L., 91 Highland rd., Salesman.
 Lord, Francis H., 45 Avon st., Clerk.
 Loring, Robert B., 45 Tennyson st., Bookkeeper.
 Lothroppe, Herbert A., 217 College ave., Printer.
 Loudon, S. Leo, 225 Somerville ave., Oil salesman.
 Loveland, Charles M. N., 898 Broadway, Photographer.
 Lovell, Willard C., 51 Fairmount ave., Piano Tuner.
 Lovering, Everett L., 48½ Prescott st., Piano Tuner.
 Lovering, Robert E., 19 Chester ave., Salesman.
 Lowell, Charles W., 53 Francesca ave., Produce dealer.
 Lucy, Albert F., 3 Village st., Operator moving pictures.
 Lunt, Fred E., 24 Hall ave., Cashier.
 Lyford, Frank D., 20 Lincoln ave., Carpenter.
 Lynch, William P., 88 Avon st., Agent.
 Lyons, Joseph G., 15 Bartlett st., Carpenter.

M

McAuliffe, Cornelius A., 107 Josephine ave., Butter dealer
 MacBrine, J. Wilmot, 43 Francesca ave., Agent.
 McCarthy, John J., 220 Summer st., Superintendent.
 McCarthy, Leo H., 95 Orchard st., Shoe maker.
 McConaghy, Robert F., 254 Summer st., Manager.
 McCormick, Thomas, 87 Orchard st., No occupation.
 McCourt, Robert M., 1139 Broadway, Clerk.
 McCray, William H., 11 Bowers ave., Clerk.
 McCuin, Charles F., 8 Putnam st., Cloth inspector.
 McCulpher, Patrick F., 45 Union sq., Lunch room Prop.
 McCune, Joseph P., 15 Josephine ave., Clerk.
 McDermott, William J., 12 Mossland st., Shipper.
 McDevett, James P., 220 Summer st., Clerk.
 Macdonald, Eugene B., 9 Crocker st., Manager.
 MacDonald, William H., 29 Endicott ave., Fish cutter.
 McDonough, James P., 17 Acadia Park, No occupation.
 McElman, George H., 30 Otis st., Machinist.
 McFadden, William E., 11 Simpson ave., Blacksmith.
 McFarland, John A., 41 Burnside ave., Shoemaker.
 McGilvray, Francis G., 50 Bartlett st., Electrician.
 McGowan, Patrick, 91 Marion st., Express clerk.
 McGregor, Thomas G., 20 Curtis st., Buyer.
 McGuire, Louis F., 497 Medford st., Meat cutter.
 McHugh, William H., 12 Hill st., Salesman.
 McIllroy, William J., 119 Morrison ave., Shipping clerk.
 McIntyre, John J., 7 Moreland st., Gardener.
 McKenna, George F., 292 Lowell st., Undertaker.
 McKenzie, Joseph, 145-r Linwood st., Teamster.
 McKenzie, Arthur G., 10 Burnside ave., Laundry man.
 McLain, George M., 38 Glen st., laborer.
 McLean, James A., 30 Banks st., Foreman.
 McLean, William E., 109 Highland ave., Decorator.
 MacMullin, George, 9 Hancock st., No occupation.

McNamara, Henry H., 10 Boston ave., Optician.
McPhail, Benjamin, 14 Mount Pleasant st., Teamster.
McWilliams, Thomas H., 8 Holyoke rd., Engineer.
Macomber, George A., 102 Thurston st., Manager.
Maddison, Thomas B., 221 Morrison ave., Fur dealer.
Magee, James L., 12 Central st., Foreman.
Magoon, Frank P., 38 Madison st., Clerk.
Maguire, John F., 414 Medford st., Engraver.
Maguire, William A., 8 Miner st., Salesman.
Magown, Herbert B., 14 Clark st., Clerk.
Mahan, John J., 9 Dimick st., Produce dealer.
Mahoney, Timothy F., 36 Rhode Island ave., Clerk.
Main, Edgar S., 1044 Broadway, Draftsman.
Makouski, John A., 19 Cambria st., Floorwalker.
Malaney, John L., 143 Boston ave., Floor manager.
Mann, Oswell F., 41 Marshall st., Chief engineer.
Manning, Daniel F., 86 Gilman st., Clerk.
Manning, Thomas F., 44 Highland ave., Clerk.
Marchant, A. Harry, 47 Hinckley st., Shipper.
Marcus, Harry, 61 Derby st., Merchant.
Marion, Otis D., 78 Rogers ave., Shipper.
Maroney, Michael, 43 Otis st., Teamster.
Marsh, Alfred G., 108 Bristol rd., Tailor.
Marsh, Ernest H., 27 Cutter st., Teamster.
Marsh, George, 16 Powder house terrace, Real estate Agt.
Marsh, William H., 27 Cutter st., Teamster.
Marshall, Arthur C., 75 Trull st., Clerk.
Martin, Clarence A., 92 Bay State ave., Bookkeeper.
Martin, Earle D., 41 Putnam st., Clerk.
Martin, Frank L., 120 Josephine ave., Warehouse man.
Martin, Richard E., 9 Atherton st., Machinist.
Martis, Christopher H., 26 School st., Printer.
Mason, Elwood L., 95 Belmont st., Grocer.
Mason, Frank J., 30 Pembroke st., Bookkeeper.
Mason, William S., 20 Austin st., Meat Cutter.
Masury, Walter R., 367 Somerville ave., Collector.
Mayall, Alfred W., 8 Tufts st., Tinsmith.
Mayberry, Eugene R., 7 Cutter Park, Salesman.
Maxim, William W., 59 Boston st., Commission merchant.
Maxwell, Madison M., 22 Greenville st., Bookkeeper.
Mead, Adelbert F., 74 Chandler st., Commission merchant.
Meaney, Michael J., 8 Cross street place, Mason.
Mears, Edson P., 2½ Spring Hill ter., Clerk.
Meehan, Joseph P., 13 Morrison ave., Driver.
Melvin, Patrick C., 56 Elm st., Tailor.
Mercer, William L., Jr., 342 Broadway, Real estate Agt.
Meriam, Marshall G., 9 Whitfield rd., Public Accountant.
Merriam, Horatio S., 44 Richdale ave., Clerk.
Merrill, Walter I., 25 Montrose st., Salesman.
Merrill, William G., 253 Willow ave., Electrician.
Metcalf, William A., 17 Edmands st., Collector.
Miers, Balcom J., 3 Washington st., Roofer.
Miller, Harry, 34-a Madison st., Wood carver.
Miller, Samuel E., 33 Lowden ave., Inspector of freight.
Miller, Thomas, Jr., 24 Pleasant ave., Salesman.
Millmore, James A., 46 Beacon st., Stationary fireman.
Miner, Henry A., Jr., 36 Avon st., Engineer.
Mink, Edward, 85 Elm st., Electrician.
Mitchell, Charles U., 15 Pinckney st., Electrician.
Mitchell, Harry, 12 Francis st., Machinist.
Mobilia, Angelo, 5 Chester ave., Machinist.

Moffatt, D. Wilson, 61 Hall ave., Bookkeeper.
 Mollet, Philip J., 54 Atherton st., Clerk.
 Molloy, Stephen J., 40 Concord ave., Iron Moulder.
 Molloy, William P., 78 Newton st., Iron worker.
 Money, Joseph A., 54 Myrtle st., Polish manufacturer.
 Monks, Charles A., 398 Medford st., Salesman.
 Morang, Arthur C., 38 Cambria st., Salesman.
 Morgan, George H., 12 Sunnyside ave., Coffee roaster.
 Morley, Arthur P., 259 Willow ave., Real estate agent.
 Morrissey, Thomas, 30-a Lake st., Laborer.
 Morrison, James, 62 Albion st., Salesman.
 Mortimer, Alfred C., 12 Lester ter., Machinist.
 Mosher, Nicholas I., 15 James st., Foreman machinist.
 Mulcahy, John J., 80 Jaques st., Engineer.
 Mullay, James P., 3 Washington ave., Machinist.
 Mullen, George W., 19 Dell st., Bookkeeper.
 Murphy, Benjamin F., 16 Mossland st., No occupation.
 Murphy, Eugene J., 67 Concord ave., Clerk.
 Murphy, Frank J., 215 Summer st., Clerk.
 Murphy, John B., 74 Jaques st., Barber.
 Murphy, Michael F., 12 Belmont pl., Inspector.
 Murphy, Peter J., 402 Somerville ave., Freight Clerk.
 Murphy, Timothy J., 14 Marion st., Freight Clerk.
 Murphy, William T., 2 Bartlett st., Superintendent.
 Murray, John J., 3 McGregor ave., Wood worker.
 Meyers, Mark B., 15 Teele ave., Salesman.

N

Nash, Joseph A., 237-a Highland ave., Engineer.
 Neagle, Thomas J., 89 Josephine ave., Coppersmith.
 Nelson, Freeman L., 38 Chester st., Machinist.
 Newhall, Everett H., 121 Liberty rd., Chemist.
 Newhouse, George, 64 Bonair st., Master Teamster.
 Newton, William M., 84 Bay State ave., Bookkeeper.
 Nicholson, Bartlett T., 368 Highland ave., Salesman.
 Nickerson, Claudius S., 196 Willow ave., Wholesale opt.
 Nickerson, Frank R., 47 Liberty ave., Clerk.
 Nickerson, James A., 31 Conwell ave., Real estate agent.
 Nickles, James W., 14 William st., No occupation.
 Niles, Franklin T., 229 Pearl st., Manager.
 Nolan, Thomas M., 15 Mountain ave., Manager.
 Northrup, Oscar W., 8 Pleasant ave., Master Mechanic.
 Norton, Edgerton V., 19 Ashland st., Carpenter.
 Norton, Harry J., 118 Cedar st., Broker.
 Norton, William J., 94 Conwell ave., Electrician.
 Noyes, Charles S., 3 Sargent ave., Cigar Manufacturer.
 Noyes, Edward I. K., 27 Hall ave., Broker.
 Nyman, Ernest D., 5 Wigglesworth st., Trainman.

O

O'Brien, Edward M., 131 Central st., Clerk.
 O'Brien, Jeremiah J., 8 Charles st., Section hand.
 O'Brien, John J., 8 Durham st., Dry goods dealer.
 O'Brien, John J., 44 Vernon st., Hardwood finisher.
 O'Brien, William E., 70 Prospect st., Salesman.
 O'Brien, William P., 36 Cutter st., Furniture dealer.
 O'Brion, Fulton, 226 Summer st., No occupation.
 O'Connell, Daniel H., 343 Summer st., Freight clerk.
 O'Connell, Thomas Meade, 43 Highland rd., Supt.
 O'Connell, William, 94 Concord ave., Freight checker.
 O'Connor, J. Edward, 36-r Myrtle st., Teamster.

Odiorne, George A., 24 Summer st., Overalls Mfr.
 O'Donnell, James V., 9 Mallet st., Engraver.
 O'Hea, Frank J., 482 Medford st., Salesman.
 O'Leary, Peter, 21 Pinckney st., Inspector.
 Oliver, John J., 171 Somerville ave., Teamster.
 Olson, Charles A., 21 Edmands st., Cashier.
 Olson, Otto, 741 Broadway, Builder.
 O'Neil, Joseph L., 103 Pearson ave., Draughtsman.
 O'Neil, Patrick J., 16 Highland rd., Riggers helper.
 O'Neill, James D., 262 Willow ave., Salesman.
 Ordway, Frank A., 271 Willow ave., Com. merchant.
 O'Rourke, Thomas, 138 Medford st., Cooper.
 Osgood, Charles G., 22 Dover st., Manager.
 O'Toole, Michael L., 203 Highland ave., Watchman.
 Overing, Raymond C., 79 Conwell ave., Clerk.
 Owler, Edward, 39 Browning rd., Salesman.
 Oxnard, John H., 156 School st., Druggist.

P

Palm, Arvid E., 10 Smith ave., Piano Key maker.
 Palmer, Henry B., 41 Gilman st., Bookkeeper.
 Parent, Joseph E., 33 Endicott ave., Book trimmer.
 Parker, George M., 55 Sargent ave., Clerk.
 Parker, George S., 29 Josephine ave., Shipper.
 Parker, John H., 16 Chandler st., Architect.
 Parker, William H., 246 Broadway, Grocer.
 Parkis, Henry J., 20 Belknap st., Manager.
 Partridge, Ashley W., 202 Summer st., Superintendent.
 Patterson, Arthur E., 32 Claremon st., Druggist.
 Peacock, Harold L., 10 Franklin st., Student.
 Pearson, Albert L., 11 Teele ave., Electrician.
 Pearson, Roy M., 186 Mystic ave., Foreman.
 Pearce, William L., 9 Josephine ave., Manager.
 Pennock, Nathan Lewis, 1 Ossipee rd., Electrician.
 Perkins, Albert C., 217 Pearl st., Store keeper.
 Perkins, George H., 4 Essex st., Salesman.
 Perkins, Roy M., 167-a Pearl st., Foreman.
 Perry, Alvan B., 361 Medford st., Electrical Engineer.
 Perry, Henry W., 488 Broadway, Druggist.
 Perry, Herbert W., 23 Electric ave., Printer.
 Perry, Percival D., 21 Highland ave., Clerk.
 Perry, W. Scott, 33 Walnut st., No occupation.
 Petersen, Peter M., 17 Cottage ave., Tailor.
 Peterson, Charles E., 15 Murray st., Bookkeeper.
 Petterson, John, 128 Cedar st., Awning and Tent maker.
 Phelps, George A., 222 Broadway, Printer.
 Phelps, William L., 405 Highland ave., Manager.
 Phillips, Edgar H., 450 Medford st., Salesman.
 Phillips, George W., 71 Hudson st., Buyer.
 Phillips, Joseph P., 6 Giles pk., Chemist.
 Phillips, Lorenzo R., 138 Powder House blvd., Foreman.
 Pickard, Elbridge A., 78 Chandler st., Salesman.
 Pickering, Frank O., 305 Summer st., Foreman.
 Pierce, Charles H., 13 Morgan st., Clerk.
 Pierce, William F., 15 Chester pl., Salesman.
 Pike, Timothy F., 79 Perkins st., Electrician.
 Pillsbury, Robert F., 22 Hamlet st., Credit man.
 Pincus, Joseph J., 41 Lexington ave., Manager.
 Piper, August J., 18 Sanborn ave., Cigar maker.
 Pitcher, Redington, 1 Thurston st., Salesman.
 Pitman, J. Russell, 9 Lee st., Shipping Clerk.

Plimpton, Franklin F., 151 Elm st., Superintendent.
 Plumer, William E., 197 Washington st., Hardware dealer.
 Plummer, Albert C., 20 Willow ave., Salesman.
 Poirier, Charles O., 16 Montrose st., Clerk.
 Pond, George W., 91 Bay State ave., Floor Supt.
 Porter, C. Frank, 34 Franklin st., Music teacher.
 Porter, Frank E., 41 Ossipee rd., Accountant.
 Post, George F., 7 Jay st., Order clerk.
 Potter, Archie S., 6 Liberty ave., Manager.
 Potter, Eugene V., 157 Walnut st., Civil engineer.
 Powell, Frank A., 9 Columbus ave., Machinist.
 Powell, Frank W., 8 Cedar st., Insurance agent.
 Pratt, Sydney, 12 Belmont st., Carpenter.
 Prescott, Horace A., 411 Highland ave., Milk dealer.
 Preston, William A., 179-a Pearl st., Clerk.
 Price, Elmer A., 35 Bartlett st., Fish dealer.
 Priest, Wallace C., 10 Moore st., Accountant.
 Prior, Charles W., 23 Greene st., Electrician.
 Proctor, Clarence D., 101 Highland ave., Clerk.
 Proctor, George Waldo, 44 Spring st., Grain dealer.
 Prouty, G. Edward, 205-a Summer st., Salesman.
 Puffer, Charles, 14 Dartmouth st., Produce dealer.

Q

Quayle, Edward J., 16 Bedford st., Driver.
 Quayle, William, 16 Bedford st., Teamster.
 Quigg, George F., 70 Holland st., Foreman.
 Quimby, Frank W., 309 Summer st., Stenographer.
 Quinn, Daniel C., 98 Elm st., Engraver.
 Quinn, George, 42-r Merriam st., Laborer.
 Quinn, John J., 7 Shawmut st., Foreman.
 Quinn, John W., 15 Oak st., Confectioner.
 Quinn, Matthew, 42-r Merriam st., Glass worker.

R

Ralph, James E., 24 Bomfield rd., Fish dealer.
 Ralph, Howard L., 66 Bromfield rd., Fish dealer.
 Rankin, Albert, 5 Irving st., Foreman.
 Rapp, Henry W., 78 Fellsway West, Salesman.
 Rawles, Aaron B., 16 Broadway, Purchasing agent.
 Raymond, Charles R., 218 School st., Salesman.
 Raymond, John M., 37 Jaques st., Bookkeeper.
 Rayner, James E., 143 Sycamore st., Manager.
 Reardon, Patrick T., 96 Grant st., Fireman.
 Reardon, Timothy J., 28 Bromfield rd., Produce dealer.
 Reardon, Vincent D., 20 Richdale ave., Optician.
 Reardon, William F., 470 Medford st., Clerk.
 Reardon, William J., 44 Florence st., Rubber worker.
 Redmond, Thomas E., 159-a Walnut st., Printer.
 Reed, Jesse M., 34 Veazie st., Clerk.
 Reed, John T., 9 Franklin st., Painter.
 Reed, Nathan P., 42 Browning rd., Salesman.
 Rees, Cyrus B., 35 Prospect st., Stove worker.
 Rees, Warren C., 183 Willow ave., Inventor.
 Reid, Thomas A., 101 Willow ave., Supervisor.
 Remick, Lewis H., 45 Josephine ave., Electrician.
 Reynolds, James B., 4 Concord ave., Clerk.
 Reynolds, James F., 7 Adams st., Insurance agent.
 Rhodes, Harry L., 275 Summer st., Manager.
 Rice, Nathaniel P., 143 Summer st., Clerk.
 Rich, Everett L., 72 Bay State ave., Bookkeeper.

Rich, Reuben D., 34 Grant st., Teamster.
 Richmond, Charles, 7 Munroe st., Salesman.
 Ricker, Edmund E., 13 Langmaid ave., Salesman.
 Riel, Henry A., 38 Lexington ave., Canvasser.
 Riley, Edward H., 110 Josephine ave., Clerk.
 Riley, Philip W., 55 Josephine ave., Pressman.
 Rines, Amos, 7 Herbert st., General Foreman.
 Ripley, Lawrence G., 48 Rogers ave., Piano Tuner.
 Rivers, Fred S., 35 Charnwood rd., Electrician.
 Roberts, Henry P., 769 Broadway, Printer.
 Roberts, Samuel L., 7 Hathorn st., Machinist.
 Roberts, William H., 62 Chandler st., Clerk.
 Robertson, Enoch B., 87 Highland rd., Bookkeeper.
 Robes, William K., 73-a Cross st., Expressman.
 Robie, Walter A. H., 227 Highland ave., Jeweler.
 Robinson, Lawson W., 77 Rogers ave., Asst. buyer.
 Robinson, Nathan, 475 Columbia st., Bottle dealer.
 Robinson, Richard H., 18 Thorndike st., Core maker.
 Rockwell, Leonard W., 315-a Beacon st., Store keeper.
 Rockwood, Albert P., 68 Columbus ave., Stable keeper.
 Rogers, Andrew J., 25 Bay State ave., Sail and tent maker.
 Rogers, Francis F., 95 Highland ave., Superintendent.
 Rogers, Thomas H., 157 Beacon st., Shipper.
 Rogers, William P., 25 Bay State ave., Sail maker.
 Rokes, Wesley A., 2 Aberdeen rd., Carpenter.
 Rolfe, George H., 15 Lexington ave., Druggist.
 Rollins, Edgar J., 18 Kidder ave., Real estate dealer.
 Rose, Edward, 127 Josephine ave., Salesman.
 Ross, William H., 37 Laurel st., Salesman.
 Row, Frederick W., 463 Somerville ave., No occupation.
 Rowland, Samuel N., 20 Powder House blvd., Shipper.
 Rowland, William E., 20 Powder House blvd., Salesman.
 Rundle, William, 21 Wheatland st., Teamster.
 Rundlett, William E., 36 Russell rd., Printer.
 Rutherford, Harry W., 53 Webster st., Clerk.
 Ryan, Charles E., 115 Cross st., Teamster.
 Ryan, Edward M., 14 Cutler st., Machinist.
 Ryan, Joseph A., 33 Dickinson st., Electrician.
 Ryan, Matthew J., 20 Columbus ave., Manager.
 Ryan, Patrick, 81 Marion st., Shipper.
 Ryder, Howard F., 54 Francesca ave., Salesman.
 Ryder, James M., 135 Lowell st., Manager.

S

Sackett, Meyer H., 179 College ave., Stock broker.
 St. Coeur, Alphonse J., 25 Putnam st., Repairman.
 Sanborn, J. Walter, 183 Central st., Com. merchant.
 Sanborn, Sam S., 72 Berkeley st., Printer.
 Sargent, A. Eugene, 2 Sargent ave., Bookkeeper.
 Sargent, Charles W., 101 Rogers ave., Produce dealer.
 Sargent, John W., 20 Mystic ave., Cabinet maker.
 Sargent, Walter P., 75 Curtis st., Salesman.
 Saunders, Alfred J., 24 Powder House terrace, Clerk.
 Saunders, Solomon S., 75 Lowden ave., Produce dealer.
 Saunders, William E., 7 Autumn st., Trainman.
 Savage, Sidney L., 49 Rogers ave., Electrical Engineer.
 Savage, Walter F., 90 Conwell ave., Clerk.
 Saville, J. Freeman, 64 Sycamore st., Cigar dealer.
 Sawyer, Henry R., 10 Browning rd., Clerk.

Scanlon, Michael J., 70 Clarendon ave., Brick mason.
 Scannell, John F., 6 Grand view ave., Blacksmith.
 Scates, Karl D., 176 Powder House blvd., Lumber dealer.
 Schrafft, William E., 49 Belmont st., Chocolate Mfr.
 Schroeder, Charles F., Jr., 268 Summer st., Clerk.
 Schroeder, Edwin F., 15 Arthur st., Veterinarian.
 Schultz, J. Irving, 26 Melvin st., Superintendent.
 Scott, Elton H., 92 Cross st., Automobile Adjuster.
 Scott, John Winfield, 35 Hawthorne st., Printer.
 Sears, Edward S., 130 College ave., Clerk.
 Sears, George R., 19 Columbus ave., Bookkeeper.
 Seaward, Daniel L., 35 Marshall st., Foreman.
 Seelig, Carl H., 69 Rush st., Machinist.
 Sewell, John Jr., 16 Sunset rd., Carpenter and Builder.
 Seymour, Alfred A., 10 Brook st., Salesman.
 Sharkey, James F., 31 Thurston st., Clerk.
 Shattuck, Ernest V., 59 Glen st., Meat cutter.
 Shay, James J., 68 Mt. Pleasant ct., Spring Mfr.
 Shea, David J., 2 Prospect place, Machinist.
 Shea, John J., 18 Aldersey st., Laborer.
 Shea, William A., 34 Rossmore st., Bookbinder.
 Sheehan, Daniel P., 103 Prospect st., Machinist.
 Shepard, Frederick E., 191 Broadway, Grain dealer.
 Sheridan, Bernard J., 86 Highland rd., Foreman.
 Shippee, Fred W., 35 Hawthorne st., Packer.
 Shirley, Percy E. S., 50 Vinal ave., Insurance agent.
 Sholes, Harry W., 10 Cypress st., Assistant shipper.
 Sillers, Charles M., 4 Aldrich st., Salesman.
 Silva, Charles, 26 Dane ave., Fish Cutter.
 Simons, Frank M., 78 Bromfield rd., Clerk.
 Simpson, Artemas D., 15 Lesley ave., Manager.
 Slade, Franklin L., 353 Highland ave., Electrician.
 Slager, Charles A., 42 Ivaloo st., Builder.
 Slavin, James C., 148-r Linwood st., Mason.
 Sleeper, Fred A., 11 Park ave., Machinist.
 Small, Joseph P., 16 Spring st., Foreman.
 Smith, Albert, 104 Fremont st., Stock broker.
 Smith, Edward A., 126 Highland rd., Salesman.
 Smith, Edward P., 45 Josephine ave., Transfer clerk.
 Smith, Frank W., 43 Curtis st., Real agent.
 Smith, Leslie E. A., 16 Lincoln st., Hearse driver.
 Smith, Louis H., 49 Moore st., Clerk.
 Smith, Manly W., 3 Perkins pl., Route foreman.
 Smith, Patrick J., 17 Buckingham st., Laborer.
 Smith, Perley L., 7 West Quincy st., Jeweler.
 Smith, Ralph W., 5 Avon st., Teamster.
 Smith, Thomas, 54-r College ave., Superintendent.
 Snow, Edward L., 22 Temple st., Agent.
 Snow, Ernest F., 39 Pearson rd., Automobile trimmer.
 Snow, George R., 30 Tenney court, Painter.
 Snow, Wallace H., 42 Derby st., Caterer.
 Snow, William A., 17 Francesca ave., Treasurer.
 Snowmen, Linwood E., 20 Lovell st., Bookkeeper.
 Souther, Charles E., 95 Kidder ave., Wholesale milliner.
 Souther, Samuel C., 115 Belmont st., Clerk.
 Spaulding, Fred E., 80 Partridge ave., Shipper.
 Spear, Alexander B., 19 Otis st., Clerk.
 Spear, Charles W., 22 Gibbens st., Provision dealer.
 Spearing, Edward F., 92 Belmont st., Lumber inspector.
 Sprague, Harry R., 18 Hancock st., Clerk.
 Steed, Herbert, 82 Highland rd., Printer.

Stephen, Edward C., 11 Lexington ave., Manager.
 Stephens, William J., 102 Cross st., Engineer.
 Stetson, Walter E., 13 Browning rd., Bookkeeper.
 Stevens, Charles H., 10 Oakland ave., Salesman.
 Stevens, James H., 18 Melvin st., Superintendent.
 Stewart, Ray P., 10 Park ave., Insurance agent.
 Stocker, Robert H., 732 Broadway, Cashier.
 Stoddard, Frank W., 21-a Veazie st., Chauffeur.
 Story, William C., 50 Holyoke rd., Box maker.
 Stringman, Herbert T., 585 Broadway, Teamster.
 Strout, Frank W., 17 Flint st., Traveling Salesman.
 Sturtevant, George H., 64 Bow st., Clerk.
 Sullivan, Daniel P., 7 Chestnut st., Helper.
 Sullivan, Dennis F., 23 Packard ave., Broker.
 Sullivan, John W., 53 West Adams st., Agent.
 Sullivan, Mathew W., 33 Joy st., Laborer.
 Sullivan, Michael D., 47-a Harrison st., Fireman.
 Sullivan, Richard C., 36 Springfield st., No occupation.
 Summers, William H., 35 Union square, Janitor.
 Sutherland, Thomas W., 16 Highland ave., Fr. tr. master.
 Sweeney, Eugene F., 111 Belmont st., Printer.
 Syer, Harry A., 16 Aberdeen rd., Door tender.

T

Taaffe, Samuel E., 159 Morrison ave., Trained Nurse.
 Taft, Fred S., 67 Columbus ave., Clerk.
 Talbot, Edwin R., 222 Medford st., Editor.
 Tarbell, Charles J., 36 Lowden ave., Compositor.
 Tarbox, Edwin F., 30 Willoughby st., Yard master.
 Tarpey, Michael J., 23 Fremont st., Fireman.
 Taylor, Ernest A., 15 Sargent ave., Clerk.
 Taylor, Ralph E., 44 Meacham rd., Clerk.
 Teague, Charles I., 5 Pearson rd., Traveling salesman.
 Terhune, Samuel L., Jr., 16 Banks st., Caterer.
 Thomas, Fred, 18 Madison st., Clerk.
 Thomas, William E., 51 Bay State ave., Bookkeeper.
 Thompson, Charles W., 237 School st., Salesman.
 Thompson, George J., 55 Willow ave., Piano tuner.
 Thomson, Emerson, 18 Mystic st., Station master.
 Thornquist, Carl Jacob, 100 Packard ave., Broker.
 Thorp, William A., 49 Harrison st., Shipper.
 Thurston, Ned F., 58 Bow st., Painter.
 Tibbetts, Harris P., 10 Evergreen ave., Master carpenter.
 Timson, Harold H., 16 Westminster st., Insurance agent.
 Toland, John I., 28 Rhode Island ave., Clerk.
 Toomey, Thomas E., 40 Beacon st., Traveling salesman.
 Toppan, Arthur W., 209 Highland ave., Boat maker.
 Towle, Constantine E., 14 Cross st. East, Teamster.
 Towle, Henry E., 249 Willow ave., Clerk.
 Town, Ernest E., 17 Linden ave., No occupation.
 Towne, Clarence E., 101 Highland ave., Clerk.
 Townsend, Walter S., 40 Teele ave., Bookkeeper.
 Treat, Frederick H., 306 Summer st., Salesman.
 Trefry, Albert C., 65 Adams st., Paymaster.
 Trefry, William S., 74-a Fremont st., Salesman.
 Tripp, Walter E., 420 Broadway, Real estate agent.
 Tripp, William A., 8 Pearl terrace, Clerk.
 Truda, Frank S., 156 Lowell st., Musician.
 Tucke, Archie J., 916 Broadway, Traveling auditor.
 Tucker, Ralph, 45 Auburn ave., driver.
 Tufts, Charles R., 11 Clarendon ave., Motorman.

Turbert, Francis, 37 Calvin st., Foreman.
 Turner, George C., 251 School st., Salesman.
 Tutein, Albert E., 37 Lowden ave., Broker.

U

Underwood, Louis F., 50 Meacham rd., Bookkeeper.
 Union, William E., 11 Kingston st., Building inspector.
 Upton, Jesse B., 24 Bay state ave., Engineer.

V

Vannah, Chester A., 1196 Broadway, Engineer.
 Van Ummersen, Richard, 97 Munroe st., Gen. freight ag't.
 Varney, Charles A., 25 Teele ave., Telephone installer.
 Vigneaux, William H., 43 Mansfield st., Clerk.
 Vincent, James N., 11 Lovell st., Printer.
 Viveiros, Ernest L., 12 Aldrich st., Laborer.
 Voodry, Leo H., 35 Belknap st., Insurance Collector.
 Vorce, Martin E., 29-a Putnam st., Newsdealer.

W

Wade, James H., 34 Spencer ave., Bookkeeper.
 Wadleigh, William Y., 65 Boston st., Wholesale grocer.
 Wainwright, George T., 28 Mt. Pleasant st., Painter.
 Wakefield, Chester K., 21 Flint st., Collector.
 Waldron, Philip, 11 Wisconsin ave., Brakeman.
 Waldron, Ralph D., 15 Albion st., Grocer.
 Walker, Andrew R., 4 Florence st., Teamster.
 Walker, Granville A., 9 Loring st., Master Painter.
 Walker, Henry I., 5 Columbus ave., Salesman.
 Walker, Walter D., 88 Pearl st., shipper.
 Wallace, William E., 88 Bartlett st., Interior decorator.
 Wallace, William J., 411 Highland ave., Shipper.
 Walsh, Stephen P., 36-r Glen st., Driver.
 Wardrobe, George E., 31 Rogers ave., Druggist.
 Wardwell, William H., 7 Jasper st., Salesman.
 Watts, Edwin S., 33½ Adrian st., Drug Clerk.
 Watts, Frederick W., 11 Madison st., Salesman.
 Watters, Robert D., 16 Ames st., Superintendent.
 Waugh, W. Whitney, 125 Highland rd., Cashier.
 Webster, Alexander S., 77 Columbus ave., Teamster.
 Weeks, Edwin H., 67 Rush st., Clerk.
 Weitz, August, 9 Hudson st., Salesman.
 Welsh, John T. A., 32 Prescott st., Mason.
 Wellman, Arthur W., 62 Hall ave., Agent.
 Wentworth, Walter E., 42 Belknap st., Superintendent.
 Westcott, Frederick W., 16 Richardson st., Motorman.
 Wetherbee, Fred E., 152 Walnut st., Clerk.
 West, A. Clifton, 152 Curtis st., Foreman.
 Weyand, Martin C., 14 Buckingham st., Carpenter.
 Wheeler, Frank A., 34 Evergreen ave., Bookkeeper.
 Whelan, Gerard M., 52 Mystic ave., Foreman.
 Whipple, William D., 74 Josephine ave., Clerk.
 White, Carleton G., 124 Highland ave., Student.
 White, Charles S., 4-a Aberdeen rd., Printer.
 White, Edwin B., 33 Bay State ave., Bookkeeper.
 White, Frank H., 14 Montgomery ave., Map mounter.
 Whitaker, William L., 118 Josephine ave., Salesman.
 Whittaker, Harry E., 11 Park ave., Trainman.
 Whittier, Henry F., 30 Delaware st., Clerk.
 Whitman, Burton S., 26 Pearl st., Expressman.

Whiney, George W., 130 Sycamore st., Bookkeeper.
 Wiggin, Albert L., 15 Knapp st., Salesman.
 Wilbur, Moses F., 227 Morrison ave., Insurance agent.
 Wilder, Harry F., 20 Gilman st., Teamster.
 Wiley, Henry C., 75 Thurston st., Clerk.
 Wiley, William S., 77 Grant st., Shipper.
 Willard, Leonard G., 101 School st., Grocer.
 Williams, Ralph E., 45 Marshall st., Clerk.
 Williams, W. Louis, 178 Powder House blvd., Stock br.
 Williamson, William F., 114 Cross st., Clerk.
 Williamson, William J., 40 Otis st., Teamster.
 Willis, Henry J., 12 Woodbine st., Laborer.
 Williston, Belvin T., 3 Monmouth st., Manager.
 Willoughby, George T., 113 Central st., Master carpenter.
 Willwerth, William F., 8 Concord ave., Night watchman.
 Wilson, Daniel S., 56 Lowden ave., Electrician.
 Wilson, Harry A., 34 Tower st., Foreman.
 Wilson, J. Albert, Jr., 52 Brastow ave., Musician.
 Wilson, James C., 45 Grove st., Gas fitter.
 Wilson, Thomas M., 16 Laurel st., Grocer.
 Wiseman, George E., 78 Bay State ave., Trainman.
 Withington, Henry A., 189 Summer st., Bookkeeper.
 Wolf, John, Jr., 13 Foster st., Produce dealer.
 Wolfe, Harold C., 25 Jaques st., Paymaster.
 Wood, Charles F., 9 Bradley st., Druggist.
 Wood, George A., 40 Laurel st., Lumber Merchant.
 Wood, George T., 11 Union st., No occupation.
 Wood, Percy O., 150 Powder House blvd., Treasurer.
 Woods, Frank W., 34 Myrtle street, inspector.
 Woods, Leonard S., 52 Dartmouth st., Bookkeeper.
 Woodward, Leonard S., 52 Dartmouth st., Bookkeeper.
 Wright, Emory T., Jr., 24 Paulina st., Electrician.
 Wyman, Harry E., 18 Tower st., Manager.

Y

Yates, W. Dudley, 22 Powder House ter., Gen. Mgr.
 Yeo, Harry J., 105 Jaques st., Butter dealer.
 Yeomans, James E., 8 Ellsworth st., Inspector.
 Young, Charles E., 41 Webster st., Driver.
 Young, Herbert L., 43 Quincy st., Clerk.
 Young, William E., 1101 Broadway, Druggist.

EDWIN D. SIBLEY, Chairman
 DOUGLASS B. FOSTER,
 CHARLES LEO SHEA,
 FREDERIC W. COOK,
 Board of Registrars of Voters.

CITY GOVERNMENT AND OFFICERS FOR 1914.

Mayor.

Zebedee E. Cliff,
29 Powder House Terrace.

Board of Aldermen.

President, David H. Fulton.

Vice-President, Alfred J. Toomey.

WARD ONE.

William Fleming, Alderman-at-large	73 Florence street
*William T. McCarthy	27 Shawmut street
Patrick J. Sullivan	25 Fitchburg street
†Frank E. Morrison	23 Brook street

WARD TWO.

George W. Pratt, Alderman-at-large	35 Clark street
Alfred J. Toomey	18 Linden street
Robert C. Harris	12 Dimick street

WARD THREE.

Oscar W. Coddington, Alderman-at-large	21 Pleasant avenue
Robert J. Farrell	21 Avon street
William F. Barker	91 Oxford street

WARD FOUR.

Joseph Hillson, Alderman-at-large	13 Edmands street
Edwin Connell	150 Pearl street
William H. Andrews	18 Walnut road

WARD FIVE.

Fred E. Durgin, Alderman-at-large	52 Albion street
William G. Cummings	82 Thurston street
Hermon A. Fleming	51 Heath street

WARD SIX.

David H. Fulton, Alderman-at-large	599½ Somerville avenue
Arthur W. Robinson	118 Highland road
James A. Butler	286 Highland avenue

WARD SEVEN.

Joseph H. Perry, Alderman-at-large	8 Kenwood street
Eugene M. Carman	56 Pearson road
William P. French	13 Thorndike street

City Clerk—FREDERIC W. COOK.

Assistant City Clerk—HOWARD E. WEMYSS.

* Resigned July 7, 1914.

† Elected October 22, 1914.

Regular meetings, second and fourth Thursday evenings of each month, at 8 o'clock, except when such Thursday is a holiday, in which case the meeting is held on the preceding Tuesday evening.

Standing Committees of the Board of Aldermen.

ELECTRIC LINES AND LIGHTS—Aldermen Durgin, Perry, Toomey, Barker and Fleming of Ward 1.

FINANCE—The President, Aldermen Coddington, Durgin, Connell, French, Pratt and Sullivan.

LEGISLATIVE MATTERS—Aldermen Hillson, McCarthy, (*Morrison), Farrell, Butler and Fleming of Ward 5.

LICENSES AND PERMITS—Aldermen Toomey, McCarthy, (*Morrison), Robinson, Carman, Cummings, Barker and Andrews.

PUBLIC PROPERTY—Aldermen Coddington, Carman, Connell, Pratt and Sullivan.

PUBLIC SAFETY—Aldermen Cummings, French, Harris, Robinson and Andrews.

PUBLIC WORKS—Aldermen Perry, Hillson, Farrell, Harris, Fleming of Ward 1, Fleming of Ward 5, and Butler.

*Alderman Morrison appointed to committee of which Alderman McCarthy was a member.

School Committee.

**Chairman.*— HENRY H. FOLSOM.

Vice-Chairman.— THOMAS M. CLANCY.

(Term, two years, except members ex-officiis.)

ZEBEDEE E. CLIFF, Mayor (ex-officio), 29 Powder House terrace.

DAVID H. FULTON, President Board of Aldermen (ex-officio),
599½ Somerville avenue.

WARD ONE.

MARY G. WHITING (elected 1913), 7 Wheeler street.

THOMAS KELLEY (elected 1912), 8 Rush street.

WARD TWO.

DANIEL H. BRADLEY (elected 1913), 19 Concord avenue.

THOMAS M. CLANCY (elected 1912), 52 Springfield street.

WARD THREE.

GEORGE E. WHITAKER (elected 1913), 75 Walnut street.

ALBERT C. ASHTON (elected 1912), 33 Columbus avenue.

WARD FOUR.

HARRY A. STONE, (elected 1913), 254 Broadway.

MARTIN P. HOGAN (elected 1912), 255 Broadway.

WARD FIVE

*HENRY H. FOLSOM (elected 1913), 103 Central street.

HERBERT A. MACDONALD (elected 1912), 5 Norwood avenue.

WARD SIX.

MARY R. BREWER (elected 1912), 170 Summer street.

GUY E. HEALEY (elected 1913), 34 Benton road.

WARD SEVEN.

HERBERT CHOLERTON (elected 1912), 94 College avenue.

CLARENCE W. WILLIAMS (elected 1913), 205 Morrison avenue.

*Deceased June 20, 1914.

Superintendent and Secretary—CHARLES S. CLARK.

Office, City Hall Annex.

Hours: 8 A. M. to 5 P. M., except Saturdays;

Saturdays, 8 to 10 A. M.

Regular meetings, last Monday evening of each month, except July and August, when none are held, and December, when meetings are on the fourth Friday, and on the Friday preceding the first Monday in January.

Assessors.

(Term, three years.)

GEORGE E. ELLIOTT, Chairman (term expires 1917).

NATHAN H. REED (term expires 1915).

WINSOR L. SNOW (term expires 1915).

HARRY VAN IDERSTINE (term expires 1917).

J. ROBERT FENELON (term expires 1916).

Assistant Assessors.

(Term, one year.)

FRED B. CLAPP.

JOHN FRANKLIN STACKPOLE.

GEORGE I. CANFIELD.

JAMES WILSON.

JOHN J. MCCARTHY.

WILLIAM H. WALLIS.

Office open: 8 A. M. to 4 P. M., Saturdays, 8 A. M. to 12 M.

Board of Health.

(Term, two members, two years; one member, one year.)

WESLEY T. LEE, M. D., Chairman (term expires 1915).

JACKSON CALDWELL (term expires 1915).

JOHN A. BLASER (term expires 1916).

Clerk, Laurence S. Howard.*Agent*.—CALEB A. PAGE.*Medical Inspector*.—FRANK L. MORSE, M. D.*Inspector of Animals and Provisions*.—CHARLES M. BERRY.*Inspector of Milk and Vinegar*.—HERBERT E. BOWMAN.

Office open: 8 A. M. to 4 P. M., Saturdays, 8 A. M. to 12 M.

Overseers of the Poor.

Office, City Hall Annex.

(Term, three years.)

HENRY F. CURTIS, M. D., Chairman (term expires 1916).

ALBERT W. EDMANDS (term expires 1917).

PHILIP KOEN (term expires 1915).

Agent.—CHARLES C. FOLSOM.*Secretary*.—CORA F. LEWIS.*Warden City Home*.—J. FOSTER COLQUHOUN.*Mairon City Home*.—CATHERINE COLQUHOUN.

Office open: 8 A. M. to 4 P. M., Saturdays, 8 A. M. to 12 M.

Planning Board.

(Term, two years.)

MALCOLM E. STURTEVANT, Chairman (term expires 1915).

WILLIAM H. SMITH (term expires 1915).

CHARLES F. MAGUIRE (term expires 1915).

BARBARA GALPIN (term expires 1914).

CHARLES J. CORWIN (term expires 1914).

CHARLES E. GODFREY (term expires 1914).

WARREN C. BLAIR (term expires 1914).

Secretary, THEDA E. FLEMING.**Registrars of Voters.**

(Term, three years.)

EDWIN D. SIBLEY, Chairman (term expires 1915).

CHARLES LEO SHEA (term expires 1916).

DOUGLASS B. FOSTER (term expires 1914).

FREDERIC W. COOK, City Clerk (term expires 1917).

Public Library Trustees.

(Term, three years.)

THOMAS M. DURELL, Chairman (term expires 1916).

J. FRANK WELLINGTON (term expires 1917).

FREDERICK W. PARKER (term expires 1915).

WILLIAM L. BARBER (term expires 1916).

CHARLES L. NOYES (term expires 1917).

JOHN M. WOODS (term expires 1915).

HERBERT E. BUFFUM (term expires 1917).

WILLIAM H. DOLBEN (term expires 1915).

W. DUDLEY YATES (term expires 1916).

Librarian and Secretary.—DREW B. HALL.**City Clerk.**

FREDERIC W. COOK.

Assistant City Clerk.—HOWARD E. WEMYSS.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

City Treasurer and Collector of Taxes.

JOSEPH S. PIKE.

Office open: 8 A. M. to 2 P. M.; Saturdays, 8 A. M. to 12 M.

City Messenger.

FRED E. HANLEY.

Mayor's Secretary.

FRED E. WARREN.

City Solicitor.

FRANK W. KAAH,
50 State street, Boston.

City Auditor.

CLARENCE T. BRUCE.

City Engineer.

ERNEST W. BAILEY.
Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Commissioner of Streets.

ASA B. PRICHARD.
Office hour: 9.30 to 10 A. M.

Commissioner of Public Buildings and Inspector of Buildings.

WALTER T. LITTLEFIELD.
Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Commissioner of Electric Lines and Lights.

WALTER I. FULLER.
Office, Central Fire Station, 261 Medford street.

Water Commissioner.

FRANK E. MERRILL.
Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Clerk of Committees and Departments.

WILLIAM P. MITCHELL.
Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Chief of Police.

CHARLES A. KENDALL.
Office, Police Building, Bow street.

Chief Engineer of the Fire Department.

SEWALL M. RICH.
Office, Central Fire Station, 261 Medford street.

City Physician.

C. CLARK TOWLE, M. D.
24 Prospect Hill avenue.

Inspector of Plumbing.

DUNCAN C. GREENE.
Office hour: 8 to 9 A. M.

Inspector of Milk and Vinegar.

HERBERT E. BOWMAN.
Office hours: 9 A. M. to 12 M., except Saturdays

Inspector of Animals and Provisions.

CHARLES M. BERRY,
60 Prescott street.

Inspector of Petroleum.

SEWALL M. RICH.
Office, Central Fire Station, 261 Medford street.

Sealer of Weights and Measures.

JOHN H. DUSSEAULT.
Deputy Sealer, BENJAMIN S. ABBOTT.
Office, City Hall Annex.
Office hours: 9 A. M. to 12 M.

Registration Clerk, City Laborers.

HOWARD E. WEMYSS

Fence Viewers.

CHARLES M. BERRY,
60 Prescott street.
ALBERT FISKE,
47 Prescott street.

Burial Agent.

UNDER REVISED LAWS, CHAPTER 79, SECTION 20.

JOHN H. DUSSEAULT,
42 Sargent avenue.

Constables.

CHARLES W. BENNETT.	ERNEST W. GAY.
WALTER C. BRIGGS.	JAMES M. HARMON.
GEORGE H. CARLETON.	FRED E. HANLEY.
EUGENE A. CARTER.	CHARLES A. KENDALL.
WINSLOW W. COFFIN.	CHARLES B. PALMER.
WILLIAM E. COPITHORNE.	ROBERT R. PERRY.
ALBION B. CROCKER.	JOHN F. SCANNELL.
THOMAS DAMERY.	MALCOLM E. STURTEVANT
CHARLES L. ELLIS.	CHARLES E. WOODMAN.
CHARLES C. FOLSOM.	

Measurer of Wood and Bark.

BERTRAM C. BABSON.
CHARLES A. HARDY.
F. FULLER WHITING.

Measurer of Grain.

EVERETT C. EMERY.

Public Weigher in Charge of City Scales at City Ledge.

WILLIAM H. WHITCOMB.

Weighers of Coal.

DANIEL F. ASH.
 BERTRAM C. BABSON.
 EDGAR H. BARKER.
 JOHN L. BLAKE.
 WILLIAM COLEMAN.
 EUGENE F. CUMMINGS.
 HARRY H. CUMMINGS.
 WILLIAM G. CUMMINGS.
 MARJORIE G. CRIMMINGS.
 ALBERTUS L. DAKIN.
 CHARLES F. DOHERTY.
 WILLIAM J. DWYER.
 WILLIAM L. EGAN.
 EVERETT C. EMERY.
 FRED L. ESTEY.
 CHARLES T. GARLAND.
 WILLIAM E. GERRISH.
 JAMES H. GORDON.
 HELEN T. GOULD.
 CHARLES A. HARDY.
 JOSEPH F. HAUSE.
 HARVEY E. HEALD.
 MILDRED HEWES.
 JOHN F. KELLEY.
 FORREST D. LANG.
 WILLIAM M. LENNAN.

JOSEPH E. MCGEE.
 FRANCIS T. MCMAHON.
 JAMES C. MCMAHON.
 JOHN J. MCMAHON.
 JOHN C. McNALLY.
 GEORGE H. MARSH.
 JOHN A. MARSH.
 OSMAN T. MARSH.
 GEORGE H. MOORE.
 MARION NICHOLSON.
 LEWIS O'BRIEN.
 JAMES P. O'NEILL.
 JOHN J. O'NEILL.
 MARK W. PATTEN.
 ETHEL POWELL.
 LEOLA RAMETTI.
 WALTER K. SMITH.
 JOHN W. STEEL.
 FRANK A. TEELE.
 JAMES WALLACE.
 WILLIAM J. WALLACE.
 THOMAS WALSH.
 CHARLES H. WARD.
 WILLIAM F. WILSON.
 JOHN H. WOODMAN.
 LUCIEN L. WOODMAN.

Weighers of Beef.

NATHANIEL BAKER, JR.
 WALTER BAILEY.
 DAVID BAXTER.
 OLIVER BRYANT.
 CARL W. BURROWS.
 CHARLES CALDWELL.
 THOMAS J. CARNEY.
 GEORGE L. DANIELS.
 WILLIAM E. ELDRIDGE.
 FRANK H. FALLIS.
 FRED HARRIS.
 PAUL B. HILL.
 FORREST D. LANG.
 ARTHUR F. MASON.
 MICHAEL J. McCORMACK.
 REUBEN W. MEAD.
 JOSEPH MURPHY.

BERNARD C. NICKERSON.
 THOMAS S. PARKER.
 WILLIAM H. PARSONS.
 JOHN J. QUINN.
 FRANK J. RAMSEY.
 CARL F. SAMPSON.
 WILLIS B. SARGENT.
 WALTER SAVAGE.
 FRANK SHAW.
 GEORGE E. SMITH.
 ROBERT E. SMITH.
 LEONARD STICKLEY.
 CHARLES SYMONDS.
 LORENZO D. TRAFTON.
 JOSEPH F. TYTER.
 GEORGE C. WILLIAMS.
 TOBIAS YAVNER.

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